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BOEING VERTOL CO PHILADELPHIA PA

CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA. VOLUME I--ETC(U)

1978 R AIELLO ; J BENDO

N00019-75-C-0396

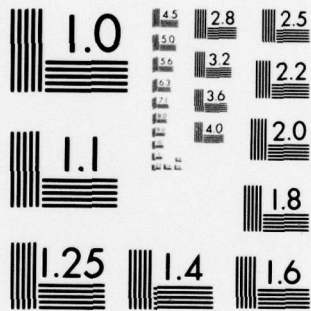
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UNCLASSIFIED D210-11168-3-VOL-9

1 OF 4

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

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CODE IDENT. NO. 77272

NUMBER D210-11168-3-Volume 9 of 13

VOL-9

TITLE CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS

SURVEY DATA, TABULATED FORWARD ROTOR, BLADE

ANGLES AND LOADS, Volume IX.

ORIGINAL RELEASE DATE _____. FOR THE RELEASE DATE OF
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MODEL CH-46 CONTRACT N00019-75-C-0396

ISSUE NO. _____ ISSUED TO: _____

R./Aiello
J./Bendo

11/1978

12/284

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DATE 11/22/78

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DATE 2-23-79

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REVISIONS			
LTR	DESCRIPTION	DATE	APPROVAL

ACTIVE SHEET RECORD											
SHEET NUMBER	REV LTR	ADDED SHEETS				SHEET NUMBER	REV LTR	ADDED SHEETS			
		SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR			SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR
1				31				61			
2				32				62			
3				33				63			
4				34				64			
5				35				65			
6				36				66			
7				37				67			
8				38				68			
9				39				69			
10				40				70			
11				41				71			
12				42				72			
13				43				73			
14				44				74			
15				45				75			
16				46				76			
17				47				77			
18				48				78			
19				49				79			
20				50				80			
21				51				81			
22				52				82			
23				53				83			
24				54				84			
25				55				85			
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29				59				89			
30				60				90			

FORM 40283 (7/67)

ACTIVE SHEET RECORD

SHEET NUMBER	REV LTR	ADDED SHEETS				SHEET NUMBER	REV LTR	ADDED SHEETS			
		SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR			SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR
91				121				151			
92				122				152			
93				123				153			
94				124				154			
95				125				155			
96				126				156			
97				127				157			
98				128				158			
99				129				159			
100				130				160			
101				131				161			
102				132				162			
103				133				163			
104				134				164			
105				135				165			
106				136				166			
107				137				167			
108				138				168			
109				139				169			
110				140				170			
111				141				171			
112				142				172			
113				143				173			
114				144				174			
115				145				175			
116				146				176			
117				147				177			
118				148				178			
119				149				179			
120				150				180			

FORM 46288 (7/67)

ACTIVE SHEET RECORD											
SHEET NUMBER	REV LTR	ADDED SHEETS				SHEET NUMBER	REV LTR	ADDED SHEETS			
		SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR			SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR
181				211				241			
182				212				242			
183				213				243			
184				214				244			
185				215				245			
186				216				246			
187				217				247			
188				218				248			
189				219				249			
190				220				250			
191				221				251			
192				222				252			
193				223				253			
194				224				254			
195				225				255			
196				226				256			
197				227				257			
198				228				258			
199				229				259			
200				230				260			
201				231				261			
202				232				262			
203				233				263			
204				234				264			
205				235				265			
206				236				266			
207				237				267			
208				238				268			
209				239				269			
210				240				270			

FORM 46265 (7/67)

ACTIVE SHEET RECORD

SHEET NUMBER	REV LTR	ADDED SHEETS				SHEET NUMBER	REV LTR	ADDED SHEETS			
		SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR			SHEET NUMBER	REV LTR	SHEET NUMBER	REV LTR
271											
272											
273											
274											
275											
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283											

ABSTRACT

This report volume presents tabulated forward rotor blade angles and loads measured during the CH-46 Composite Rotor Blade Flight Stress Survey.

KEYWORDS

CH-46E

Composite

Rotor Blade

Flight Stress Survey

Alternating and Steady Loads

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REFERENCES

1. Vertol Report D210-11168-1 "CH-46 Composite Rotor Blade Flight Test Qualification Test Plan" March 30, 1977
2. Vertol Report D210-11168-2 "CH-46 Composite Rotor Blade Flight Test Report" May 15, 1978
3. Boeing Vertol Report D210-11168-3 Volume 1 of 13, CH-46 Composite Rotor Blade Flight Stress Survey Data
4. Boeing Vertol Report D210-11168-3 Volume 2 of 13, CH-46 Composite Rotor Blade Flight Stress Survey Data, Plotted Forward Blade Angles and Flap Loads
5. Boeing Vertol Report D210-11168-3 Volume 3 of 13, CH-46 Composite Rotor Blade Flight Stress Survey Data, Plotted Forward Blade Chord, Torsion and Absolute Loads

1. INTRODUCTION

A flight stress survey was conducted on a CH-46 helicopter with A02R1702 composite rotor blades. The test was conducted in accordance with Paragraphs 4.3.2 and 4.7 of Reference 1. General test description and pilot comments are included in Reference 2.

The tests were conducted at the Boeing Vertol Flight Test Facility at Ridley Township, Pennsylvania, during the period of June 1977 through November 1977.

2. SUMMARY

A flight stress survey and structural demonstration was conducted on the #1 CH-46E Helicopter, BuNo. 153372 (S/N 2268).

The components under test were the A02R1702 composite rotor blades and the A02R1710 blade socket.

This volume contains measured steady and alternating forward rotor blade angles and loads tabulated by flight and event number. In addition, the associated maximum and minimum forward flap angles are also included. The steady and alternating data is plotted versus true airspeed and can be found in Volumes 2 and 3. ↗

3. DATA PRESENTATION

This volume contains measured steady and alternating forward rotor blade angles and loads tabulated by flight and event number. In addition, the associated maximum and minimum forward flap angles are also included. The tabulated angles and load levels represent the maximum alternating angle or load cycle occurring during the particular flight condition. The steady and alternating data is shown plotted versus true airspeed and can be found in Volumes 2 and 3.

Identification and data codes of gage measurements included in this volume and also the order with which the tabulated data is presented can be found in the gage identification table on the next page. This tabulated order is adhered to for all flights. Section 3.3 presents a flight/page number indexing chart for all flights tabulated in this volume.

Detailed flight condition parameters and a complete tabulated summary of maneuvers for each flight can be found in Volume 1 of this report.

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NUMBER

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THE **BOEING** COMPANY

DATE:

8/31/78

MODEL NO.

3.1 Gage Identification and Tabulation Sequence

Strain gage identification and instrumentation code information for data presented in this volume, as well as the order of tabulated data, are as follows:

<u>DATA CODE</u>		<u>MEASUREMENT</u>	
<u>ACTIVE</u>	<u>SPARE</u>	<u>NAME</u>	<u>UNITS</u>
31010	-	Forward Blade Flap Angle	(DEG)
31020	-	Forward Blade Lead Lag Angle	(DEG)
31030	-	Forward Blade Pitch Angle	(DEG)
41150	61150	Forward Blade Extension Link Flap Bending	(IN-LB)
41710	61710	Forward Blade Flap Bending Station 50.	(IN-LB)
41720	61720	Forward Blade Flap Bending Station 88.	(IN-LB)
41730	61730	Forward Blade Flap Bending Station 136.	(IN-LB)
41740	61740	Forward Blade Flap Bending Station 240.	(IN-LB)
41750	61750	Forward Blade Flap Bending Station 275.	(IN-LB)
41760	61760	Forward Blade Chord Bending Station 50.	(IN-LB)
41770	61770	Forward Blade T.E. Tension Station 88.	(IN-LB)
41780	61780	Forward Blade T.E. Tension Station 159.	(IN-LB)
41790	61790	Forward Blade Torsion Bending Station 52.	(IN-LB)
41800	61800	Forward Blade Torsion Bending Station 138.	(IN-LB)
41810	61810	Forward Blade Torsion Bending Station 242.	(IN-LB)
41820	-	Forward Blade Absolute Top L.E. Station 73.	(μ IN/IN)
41840	-	Forward Blade Absolute Top L.E. Station 240.	(μ IN/IN)
41860	61860	Forward Blade Extension Link Chord Bending	(IN-LB)

3.1 Gage Identification and Tabulation Sequence (Continued)

- NOTES:
1. A complete description of the instrumentation for this stress survey can be found in Volume 1.
 2. A flight by flight summary of operative gages can be found in Reference 2.
 3. The spare gages were utilized when the active gages proved inoperable.

3.2 Sign Convention

The following table summarizes the sign convention adhered to for the gages presented in this volume.

<u>GAGE MEASUREMENT NAME</u>	<u>(+) POLARITY CONDITION</u>
Forward Blade Flap Angle	Blade Up
Forward Blade Lead Lag Angle	Blade Lagging
Forward Blade Pitch Angle	L.E. Up
Forward Blade Extension Link Flap Bending	Blade Up
Forward Blade Flap Bending Station 50.	Blade Up
Forward Blade Flap Bending Station 88.	Blade Up
Forward Blade Flap Bending Station 136.	Blade Up
Forward Blade Flap Bending Station 240.	Blade Up
Forward Blade Flap Bending Station 275.	Blade Up
Forward Blade Chord Bending Station 50.	Blade Leading
Forward Blade T.E. Tension Station 88.	Blade Leading
Forward Blade T.E. Tension Station 159.	Blade Leading
Forward Blade Torsion Bending Station 52.	L.E. Up
Forward Blade Torsion Bending Station 138.	L.E. Up
Forward Blade Torsion Bending Station 242.	L.E. Up
Forward Blade Absolute Top L.E. Station 73.	Tension
Forward Blade Absolute Top L.E. Station 240.	Tension
Forward Blade Extension Link Chord Bending	Blade Leading

3.3 Flight Index Chart.

<u>FLIGHT NUMBER</u>	<u>START OF TABULATION SEQUENCE</u>
114 _____	PAGE 19
115 _____	26
116 _____	40
117 _____	47
119 _____	54
121 _____	68
122 _____	82
124 _____	89
126 _____	103
127 _____	110
128 _____	117
132 _____	124
133 _____	131
134 _____	145
135 _____	152
136 _____	159
137 _____	166
138 _____	173
139 _____	180
140 _____	194
141 _____	201
142 _____	215
143 _____	229
151 _____	241
161 _____	248
162 _____	254
163 _____	260
166 _____	266
167 _____	272
177 _____	278

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PREPARED BY: J. Bendo
CHECKED BY:
DATE: 9/5/78

D210-11168-3
NUMBER Vol. 9
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MODEL NO.

4. TABULATED DATA

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DATE:

D210-11168-3
VOLUME 9

FLIGHT LEADS

CH-46 FGE STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
TGGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
1	.70	2.45	3.16	-1.75	7.70	.13	1
2	4.47	3.51	8.06	.96	12.54	.35	2
3	5.02	4.82	9.84	-.32	12.54	1.31	3
4	5.36	4.74	10.09	-.14	12.33	1.27	4
5	3.33	5.50	10.69	-2.17	13.50	1.13	5
6	5.10	9.22	14.32	-4.29	11.02	1.00	6
7	4.26	10.40	15.59	-6.15	11.76	2.09	7
9	.96	3.05	4.00	-2.09			9
10	4.81	7.15	12.04	-2.34	13.29	.92	10
11	4.51	6.60	11.11	-2.34	11.06	.87	11
12	4.55	6.30	11.02	-1.75	9.06	.70	12
13	4.93	7.61	12.55	-3.10	10.45	.87	13
14	4.55	7.74	12.29	-3.19	11.93	.96	14
15	4.47	7.49	11.95	-3.02	13.50	1.05	15
16	4.47	7.32	11.78	-2.93	14.20	1.13	16
17	4.26	7.78	12.12	-3.52	14.25	1.18	17
18	4.09	7.95	12.04	-3.86	14.29	1.22	18
19	4.51	8.63	13.14	-4.12	13.98	1.35	19
20	5.19	8.37	13.56	-3.19	12.37	1.22	20
21	3.96	8.08	13.05	-4.12	10.45	.96	21
22	5.95	8.20	14.49	-3.86	10.71	1.22	22
23	5.36	8.54	14.24	-3.27	12.07	1.18	23
24	6.67	8.84	15.51	-3.27	9.40	1.48	24
25	6.54	8.80	15.34	-3.10	11.24	1.40	25

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
TGGW 20800 TCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
1	1948.00	1780.00	341.50	3697.00	1
2	1504.00	3115.00	4206.00	12270.00	2
3	465.00	2670.00	2694.00	11430.00	3
4	761.50	4747.00	1854.00	16300.00	4
5	-425.00	4450.00	5718.00	16800.00	5
6	1800.00	3115.00	9415.00	12430.00	6
7	2000.00	3500.00	2694.00	19490.00	7
9	-2502.00	5043.00	1350.00	5713.00	9
10	2690.00	5438.00	6390.00	16470.00	10
11	1058.00	5933.00	3702.00	24870.00	11
12	2542.00	3857.00	6055.00	11430.00	12
13	1800.00	2818.00	6726.00	8737.00	13
14	3877.00	3115.00	7902.00	7561.00	14
15	20.00	4598.00	9415.00	9074.00	15
16	168.00	4153.00	10590.00	10250.00	16
17	20.00	6674.00	9415.00	12770.00	17
18	1504.00	4005.00	8575.00	13270.00	18
19	2097.00	4895.00	8743.00	15790.00	19
20	-573.50	5785.00	8407.00	11430.00	20
21	4025.00	4747.00	8575.00	11260.00	21
22	4025.00	4747.00	11600.00	13270.00	22
23	20.00	6081.00	8743.00	14110.00	23
24	8000.00	4000.00	12780.00	20500.00	24
25	3432.00	5340.00	13450.00	18480.00	25

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
T0GW 20800 T0CG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
1	807.10	1139.00	1597.00	1047.00	696.30	1224.00	1
2	3549.00	3380.00	2450.00	2055.00	-3272.00	2744.00	2
3	2156.00	3754.00	2179.00	2869.00	-1879.00	4981.00	3
4	2030.00	4724.00	1403.00	3955.00	-3314.00	3968.00	4
5	3422.00	6284.00	2023.00	2947.00	-2428.00	5699.00	5
6	3591.00	4428.00	3884.00	3102.00	-3145.00	4897.00	6
7	2663.00	4766.00	2489.00	5506.00	-4074.00	7598.00	7
9	2874.00	2952.00	1597.00	2985.00	232.00	2111.00	9
10	2916.00	4681.00	2644.00	4343.00	-6522.00	5235.00	10
11	806.50	8141.00	549.50	5817.00	-3483.00	7092.00	11
12	1988.00	4344.00	1519.00	4304.00	-4074.00	4053.00	12
13	3759.00	3501.00	2954.00	4188.00	-3694.00	4686.00	13
14	3844.00	4091.00	3032.00	5273.00	-4665.00	3377.00	14
15	4013.00	4850.00	2644.00	5816.00	-4539.00	4180.00	15
16	3928.00	5694.00	2566.00	6282.00	-4412.00	4981.00	16
17	3675.00	7128.00	1985.00	7174.00	-5003.00	6079.00	17
18	3338.00	7719.00	1984.00	7484.00	-4750.00	6332.00	18
19	3548.00	8014.00	1441.00	8492.00	-6818.00	8232.00	19
20	4012.00	4429.00	1558.00	5894.00	-3694.00	5699.00	20
21	2832.00	4176.00	1403.00	5118.00	-3736.00	5657.00	21
22	4350.00	4681.00	2954.00	4963.00	-4412.00	8358.00	22
23	3886.00	4555.00	2605.00	5467.00	-4159.00	7936.00	23
24	5868.00	6706.00	3342.00	6747.00	-5636.00	9751.00	24
25	4729.00	6327.00	2330.00	6620.00	-5467.00	9920.00	25

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
TGW 20800 TCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
1	521.70	1153.00	-2714.00	2206.00	36910.00	2462.00	1
2	-5241.00	2617.00	-3174.00	9285.00	37490.00	9992.00	2
3	-4151.00	4641.00	-5104.00	9928.00	37060.00	9557.00	3
4	-3030.00	4018.00	-1979.00	10850.00	38510.00	12740.00	4
5	-4089.00	7196.00	-7678.00	14340.00	32860.00	14630.00	5
6	-5926.00	4237.00	-1427.00	15810.00	40240.00	16220.00	6
7	-5179.00	7849.00	-140.00	18940.00	37780.00	19840.00	7
9	116.70	2367.00	-2714.00	9009.00	1002.00	6227.00	9
10	-4580.00	5825.00	-4736.00	14520.00	38940.00	13470.00	10
11	-4618.00	6542.00	-4369.00	13970.00	41690.00	15350.00	11
12	-3964.00	4704.00	-1152.00	11310.00	42130.00	12600.00	12
13	-5023.00	4330.00	-1519.00	12230.00	39380.00	12450.00	13
14	-3746.00	4174.00	-2898.00	15080.00	39380.00	15640.00	14
15	-4992.00	4548.00	-4093.00	16270.00	38800.00	17960.00	15
16	-4992.00	4797.00	-5196.00	18660.00	37640.00	22010.00	16
17	-5241.00	5545.00	-7954.00	22710.00	38360.00	28520.00	17
18	-4836.00	5763.00	-5472.00	23350.00	38070.00	31710.00	18
19	-8325.00	8628.00	-4185.00	24640.00	39660.00	30980.00	19
20	-4649.00	5576.00	-1703.00	14430.00	38940.00	14920.00	20
21	-5833.00	5887.00	-1519.00	14060.00	39520.00	14340.00	21
22	-4618.00	7538.00	-2071.00	17560.00	39230.00	18100.00	22
23	-4680.00	7476.00	-2806.00	17740.00	39230.00	17520.00	23
24	-4082.00	3189.00	-1887.00	19580.00	44150.00	21000.00	24
25	-4619.00	9283.00	-1427.00	18570.00	39950.00	20560.00	25

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114
TMGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	A1780SDY	61780ALT	41790SDY	41790ALT	41800SDY	41800ALT	EVENT
1	33480.00	2748.00	410.10	350.60	9.41	263.30	1
2	32030.00	9374.00	-291.10	1052.00	-1286.00	842.70	2
3	30250.00	11480.00	-145.00	1548.00	-991.30	1327.00	3
4	28470.00	12930.00	-1080.00	1315.00	-1265.00	863.80	4
5	28310.00	14060.00	-291.10	2162.00	-1887.00	2244.00	5
6	32190.00	16000.00	-875.30	1578.00	-1149.00	937.50	6
7	31540.00	17290.00	-904.60	1782.00	-770.10	1527.00	7
9	-945.00	4525.00	59.50	1636.00	340.00	640.00	9
10	33160.00	14380.00	-583.20	2337.00	-1600.00	1200.00	10
11	33960.00	17780.00	-203.40	1139.00	-875.40	1232.00	11
12	35100.00	12770.00	-904.60	1490.00	-1191.00	1001.00	12
13	32190.00	13410.00	-583.20	1694.00	-1518.00	1475.00	13
14	33160.00	15350.00	-583.20	2337.00	-1581.00	1875.00	14
15	34610.00	21010.00	-992.20	2571.00	-1665.00	2170.00	15
16	34290.00	25210.00	-232.60	3623.00	-2108.00	2339.00	16
17	33480.00	33130.00	-349.70	4382.00	-2100.00	2800.00	17
18	33480.00	37660.00	-788.10	4704.00	-2150.00	2850.00	18
19	34120.00	33450.00	-1694.00	4207.00	-1950.00	3050.00	19
20	31700.00	16490.00	-583.20	1870.00	-1620.00	2600.00	20
21	32670.00	15520.00	-203.40	2074.00	-1002.00	1633.00	21
22	32670.00	20040.00	-875.40	1987.00	-1539.00	1833.00	22
23	31700.00	19720.00	-28.13	2425.00	-1600.00	1800.00	23
24	33320.00	22950.00	-933.80	3038.00	-2400.00	2600.00	24
25	32030.00	21980.00	-378.70	2308.00	-1650.00	1950.00	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114

TGGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
1	310.40	163.90	1074.00	92.06	690.40	84.97	1
2	-317.90	391.60	959.10	283.90	968.50	177.70	2
3	-208.60	701.20	675.30	491.00	883.50	324.40	3
4	-390.70	464.40	1021.00	406.70	968.40	239.40	4
5	-1310.00	1858.00	836.40	529.40	929.80	324.40	5
6	-409.00	464.40	859.40	445.00	953.00	301.30	6
7	-281.50	810.40	966.80	429.70	945.30	478.90	7
9	428.80	227.70	307.00	429.70	257.80	131.30	9
10	-345.20	746.70	1274.00	675.20	1169.00	378.50	10
11	-226.80	683.00	1067.00	682.90	983.90	424.80	11
12	-154.00	737.60	890.10	368.30	991.60	247.20	12
13	-363.40	783.10	729.00	345.30	960.70	309.00	13
14	-472.70	1002.00	1205.00	498.70	1015.00	224.00	14
15	-500.00	1266.00	1067.00	529.40	999.30	285.80	15
16	-609.30	1339.00	1005.00	406.60	1007.00	339.90	16
17	-545.50	1366.00	782.70	506.40	1046.00	409.40	17
18	-609.30	1375.00	1005.00	514.10	1015.00	424.80	18
19	-846.00	1502.00	1220.00	698.20	1138.00	517.50	19
20	-527.30	947.00	544.80	544.70	991.60	370.80	20
21	-99.38	956.10	1113.00	391.30	1030.00	363.00	21
22	-636.60	1020.00	575.50	514.00	1038.00	540.70	22
23	-536.40	1029.00	859.40	782.60	999.30	502.10	23
24	-1010.00	1284.00	882.40	774.90	1046.00	610.20	24
25	-1538.00	1794.00	997.50	644.50	1077.00	625.70	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 114

TSGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41860SDY	41860ALT	EVENT
1	31750.00	1452.00	1
2	1011.00	4487.00	2
3	1538.00	10290.00	3
4	3254.00	11220.00	4
5	-6115.00	10820.00	5
6	11430.00	9633.00	6
7	6948.00	15700.00	7
9	33210.00	9764.00	9
10	-2000.00	7000.00	10
11	14340.00	9897.00	11
12	25030.00	8181.00	12
13	15530.00	7917.00	13
14	8928.00	9501.00	14
15	-6379.00	13200.00	15
16	-7699.00	11880.00	16
17	-4664.00	16490.00	17
18	-7039.00	14650.00	18
19	-2948.00	16890.00	19
20	3914.00	9501.00	20
21	19620.00	9369.00	21
22	13940.00	10820.00	22
23	8136.00	12670.00	23
24	-14430.00	18870.00	24
25	9587.00	12270.00	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
T8GW 20800 T8CG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
1	4.93	6.94	11.87	-2.00	13.16	.87	1
2	4.93	7.02	11.95	-2.09	13.81	.83	2
3	4.81	6.72	11.53	-1.92	13.85	.70	3
4	4.64	6.89	11.53	-2.34	13.90	.74	4
5	4.89	6.56	11.45	-1.66	13.50	.78	5
6	4.89	6.56	11.45	-1.75	13.90	.74	6
7	4.68	2.79	7.47	1.89	14.11	.52	7
9	4.81	3.43	8.23	1.38	14.11	.70	9
10	4.81	3.34	8.15	1.47	14.25	.65	10
11	4.77	3.55	8.40	1.21	13.16	.70	11
12	4.55	4.95	9.50	-.39	12.50	.74	12
13	4.64	5.03	9.67	-.39	12.59	.74	13
14	4.51	5.33	9.84	-.82	11.11	.83	14
15	4.47	5.12	9.59	-.65	11.24	.87	15
16	4.51	4.48	8.99	.03	11.15	.87	16
17	4.55	3.93	8.49	.62	11.89	.83	17
18	4.55	5.37	9.92	-.82	11.28	.74	18
19	4.51	6.34	10.85	-1.83	11.67	.87	19
20	4.38	6.39	10.94	-2.00	11.45	1.00	20
21	4.47	4.36	8.91	.11	9.40	.70	21
22	4.17	3.38	7.64	.79	8.45	.52	22
23	3.92	3.13	7.22	.79	7.57	.52	23
24	4.55	5.96	10.52	-1.41	12.02	.96	24
25	4.60	5.84	10.52	-1.24	10.84	.92	25
26	4.68	6.26	10.94	-1.58	11.28	1.09	26
27	4.77	6.09	10.94	-1.32	11.67	1.13	27
28	4.77	5.24	10.01	-.48	11.72	.74	28
29	4.55	5.03	9.67	-.48	11.32	.78	29
30	4.13	5.46	9.76	-1.32	10.50	1.18	30
31	4.43	6.34	10.85	-1.92	11.98	1.35	31
32	4.55	5.54	10.09	-.99	11.63	1.35	32
33	4.38	7.06	11.45	-2.68	11.19	1.09	33
34	4.51	4.82	9.33	-.31	10.63	.78	34
35	4.51	6.68	11.19	-2.17	11.19	1.35	35
36	4.55	6.72	11.28	-2.17	11.63	1.53	36
37	4.30	6.64	11.19	-2.34	11.15	1.05	37
38	4.47	6.30	10.77	-1.83	10.54	1.13	38
39	4.68	5.92	10.60	-1.24	10.41	1.09	39
40	4.64	6.22	10.85	-1.58	10.76	1.09	40
41	4.09	2.62	6.71	1.30	5.52	.39	41
42	4.00	2.54	6.63	1.47	5.65	.35	42
43	4.13	3.93	8.15	.20	5.57	.52	43
44	5.36	4.31	9.67	-.56	5.35	.65	44
45	4.09	3.05	7.13	1.04	5.09	.48	45
46	4.51	8.37	12.88	-3.95	5.26	1.00	46
47	4.81	3.85	8.66	.96	13.46	.48	47
48	4.43	4.65	9.33	-.23	13.37	1.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
49	4.64	5.12	9.76	-.48	12.85	1.44	49
50	5.02	4.99	10.18	.03	12.50	1.27	50
51	5.23	7.32	12.55	-2.09	12.54	1.22	51
52	5.36	5.84	11.28	-.82	5.18	.74	52
53	4.34	6.18	10.69	-1.83	5.61	.65	53
54	4.72	5.20	9.92	-.90	5.87	.48	54
55	2.69	5.96	9.76	-3.27	5.83	.70	55
56	4.00	5.41	9.42	-1.41	5.83	.52	56
57	3.75	5.58	10.18	-1.83	5.61	.65	57
58	5.36	5.33	10.69	-1.41	5.22	.61	58
59	6.03	6.09	12.12	-.73	4.91	.83	59
60	4.34	7.10	11.45	-2.76	14.55	1.13	60
61	4.17	8.12	12.29	-3.95	11.37	1.53	61

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TBGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
1	2690.00	4598.00	4878.00	16300.00	1
2	4025.00	3857.00	10250.00	9578.00	2
3	1948.00	2670.00	9415.00	10420.00	3
4	2987.00	3412.00	9247.00	10250.00	4
5	1207.00	2818.00	7567.00	10920.00	5
6	1652.00	2967.00	7399.00	11090.00	6
7	1504.00	3412.00	7567.00	11930.00	7
9	3432.00	5340.00	7566.00	14280.00	9
10	1355.00	3560.00	7398.00	14110.00	10
11	1652.00	3857.00	6558.00	15290.00	11
12	1800.00	4005.00	6726.00	15460.00	12
13	1207.00	4302.00	5718.00	16130.00	13
14	168.00	5043.00	3030.00	19830.00	14
15	317.00	4598.00	3870.00	18650.00	15
16	613.00	5191.00	4374.00	19160.00	16
17	20.00	4301.00	4542.00	19320.00	17
18	-870.00	6378.00	1854.00	21000.00	18
19	-870.00	6081.00	1518.00	27050.00	19
20	1355.00	7416.00	-163.00	29740.00	20
21	2097.00	6082.00	5550.00	15960.00	21
22	-1612.00	7713.00	5886.00	13610.00	22
23	1800.00	3708.00	4374.00	10420.00	23
24	400.00	800.00	1350.00	23190.00	24
25	1207.00	7565.00	341.50	26550.00	25
26	-1167.00	7565.00	509.50	31080.00	26
27	-276.50	8455.00	-2011.00	31590.00	27
28	-1019.00	5340.00	-499.00	23020.00	28
29	761.50	4747.00	3030.00	17810.00	29
30	-128.50	5340.00	1518.00	22010.00	30
31	-870.00	6674.00	-1843.00	31420.00	31
32	-128.50	4747.00	1182.00	18310.00	32
33	20.00	5191.00	341.00	20500.00	33
34	-128.00	5043.00	3534.00	20000.00	34
35	-276.50	6378.00	2358.00	25880.00	35
36	-573.50	5785.00	1182.00	27050.00	36
37	-425.00	6526.00	-163.00	29740.00	37
38	1504.00	7268.00	1518.00	26720.00	38
39	613.00	6971.00	341.50	26880.00	39
40	-1019.00	7120.00	1854.00	29740.00	40
41	1207.00	3412.00	3534.00	8905.00	41
42	1652.00	3560.00	4542.00	10250.00	42
43	1652.00	3263.00	5046.00	9409.00	43
44	3135.00	4746.00	1350.00	12100.00	44
45	2097.00	3708.00	2358.00	10080.00	45
46	1207.00	4598.00	1350.00	13440.00	46
47	613.50	2522.00	4542.00	9241.00	47
48	168.50	2967.00	4206.00	9914.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115

TOWW 20800 TOWG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
49	317.00	2818.00	4374.00	10080.00	49
50	316.50	3115.00	2358.00	13440.00	50
51	168.50	3560.00	-331.00	14790.00	51
52	3135.00	4450.00	7062.00	13110.00	52
53	2245.00	4746.00	4878.00	11590.00	53
54	3135.00	3560.00	2190.00	10920.00	54
55	1503.00	4598.00	-162.50	11930.00	55
56	2097.00	3412.00	2694.00	7729.00	56
57	1058.00	4746.00	-1339.00	13110.00	57
58	2393.00	4598.00	3870.00	10590.00	58
59	3135.00	5043.00	7231.00	11260.00	59
60	2097.00	2819.00	9583.00	9578.00	60
61	613.50	7268.00	-1003.00	30240.00	61

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115

TAGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
1	2368.00	4893.00	2954.00	3955.00	-5805.00	5361.00	1
2	4265.00	3079.00	3109.00	3877.00	-5087.00	3293.00	2
3	3717.00	3037.00	3264.00	3878.00	-5214.00	3250.00	3
4	3675.00	3332.00	3187.00	3877.00	-4623.00	3250.00	4
5	3042.00	3459.00	2915.00	3684.00	-5341.00	3377.00	5
6	3169.00	3500.00	3032.00	3722.00	-5171.00	3462.00	6
7	3464.00	3458.00	3109.00	4110.00	-6396.00	5361.00	7
9	3717.00	3796.00	3109.00	4575.00	-6733.00	6290.00	9
10	3379.00	3796.00	3148.00	4149.00	-6438.00	5994.00	10
11	3337.00	4007.00	2721.00	4576.00	-6354.00	6586.00	11
12	3380.00	4724.00	3148.00	5312.00	-4707.00	7303.00	12
13	2958.00	5230.00	2876.00	5351.00	-4623.00	8654.00	13
14	2874.00	5736.00	2760.00	5933.00	-3906.00	9878.00	14
15	2368.00	5567.00	2683.00	5622.00	-4665.00	9878.00	15
16	1777.00	5905.00	2334.00	5816.00	-5045.00	9160.00	16
17	1945.00	6411.00	2411.00	4731.00	-4412.00	7936.00	17
18	3084.00	6116.00	2566.00	5894.00	-4496.00	10130.00	18
19	2578.00	8056.00	2023.00	6359.00	-4412.00	11900.00	19
20	2325.00	8562.00	937.00	7135.00	-5088.00	12580.00	20
21	2663.00	4850.00	2489.00	5273.00	-4159.00	8865.00	21
22	3085.00	4175.00	2334.00	4575.00	-4538.00	6290.00	22
23	3379.00	3543.00	1985.00	4071.00	-3947.00	4602.00	23
24	2621.00	7002.00	2876.00	6437.00	-5003.00	11140.00	24
25	2662.00	7128.00	2295.00	6631.00	-5214.00	12280.00	25
26	2578.00	8984.00	1209.00	8027.00	-5890.00	13800.00	26
27	2705.00	8689.00	-381.00	9461.00	-6354.00	14010.00	27
28	2747.00	6537.00	4427.00	7678.00	-4666.00	10810.00	28
29	3211.00	5230.00	2760.00	5467.00	-3863.00	9160.00	29
30	2030.00	6749.00	2372.00	6165.00	-4497.00	10050.00	30
31	2030.00	9195.00	1131.00	6941.00	-5341.00	12410.00	31
32	3084.00	5272.00	2721.00	5429.00	-4201.00	9160.00	32
33	2705.00	7086.00	2799.00	5816.00	-5214.00	10430.00	33
34	2663.00	6115.00	2838.00	6010.00	-4623.00	9836.00	34
35	1862.00	8183.00	2954.00	6747.00	-4074.00	10300.00	35
36	1692.00	7339.00	2799.00	6980.00	-6016.00	10980.00	36
37	1946.00	9111.00	2527.00	6088.00	-4159.00	11740.00	37
38	1946.00	7677.00	1713.00	6980.00	-5256.00	12240.00	38
39	1904.00	7466.00	2256.00	6902.00	-5425.00	12920.00	39
40	3042.00	8942.00	976.00	7174.00	-5974.00	12790.00	40
41	2494.00	3332.00	1364.00	3761.00	-4327.00	3462.00	41
42	2705.00	3205.00	1209.00	4149.00	-5214.00	3926.00	42
43	2578.00	3754.00	1674.00	4537.00	-4538.00	3757.00	43
44	1313.00	3922.00	1054.00	4459.00	-3694.00	5615.00	44
45	2789.00	3880.00	1403.00	4032.00	-4074.00	3546.00	45
46	2114.00	5483.00	1830.00	4614.00	-2850.00	6881.00	46
47	4434.00	2657.00	3303.00	1667.00	-3103.00	3166.00	47
48	4266.00	3163.00	3342.00	2094.00	-2554.00	4644.00	48

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AIRCRAFT SLP1 FLIGHT 115

TSGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
49	5235.00	3037.00	3148.00	2365.00	-2006.00	4179.00	49
50	3295.00	3712.00	3691.00	2753.00	-3947.00	3926.00	50
51	2663.00	4344.00	3342.00	3489.00	-3272.00	5868.00	51
52	2325.00	5357.00	1481.00	4420.00	-5678.00	4813.00	52
53	1271.00	4049.00	511.20	3994.00	-5678.00	3715.00	53
54	1566.00	3754.00	627.60	4265.00	-4454.00	3673.00	54
55	891.00	5188.00	821.30	3994.00	-2301.00	4813.00	55
56	1819.00	3838.00	550.00	3490.00	-3138.00	2153.00	56
57	426.50	5568.00	549.90	4110.00	-2259.00	5108.00	57
58	1945.00	5230.00	898.80	3916.00	-5087.00	2533.00	58
59	2789.00	5230.00	2178.00	4808.00	-6353.00	3040.00	59
60	4308.00	5567.00	2644.00	6281.00	-4235.00	4855.00	60
61	-458.50	9575.00	1519.00	7717.00	-1753.00	11020.00	61

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115

TGW 20800 TDCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
1	-5615.00	5607.00	-5196.00	13700.00	37060.00	14770.00	1
2	-4836.00	4019.00	-6391.00	13240.00	36770.00	14190.00	2
3	-4369.00	4236.00	-6023.00	11950.00	38070.00	12600.00	3
4	-4338.00	4330.00	-6023.00	11950.00	38800.00	12740.00	4
5	-4525.00	4205.00	-4553.00	12320.00	41260.00	12600.00	5
6	-4774.00	4143.00	-5012.00	12230.00	41980.00	13030.00	6
7	-5739.00	5794.00	-4645.00	11670.00	43570.00	13180.00	7
9	-5397.00	7258.00	-3266.00	13790.00	44150.00	14630.00	9
10	-4113.00	6479.00	-2530.00	13610.00	44440.00	14050.00	10
11	-5023.00	7445.00	-2898.00	13600.00	45600.00	14630.00	11
12	-3621.00	7227.00	-3450.00	15080.00	45600.00	15490.00	12
13	-4556.00	7476.00	-3266.00	15260.00	46910.00	15640.00	13
14	-4463.00	8379.00	-967.50	16270.00	47920.00	16940.00	14
15	-4680.00	8535.00	-1979.00	15630.00	46760.00	16940.00	15
16	-5397.00	8566.00	-2898.00	14710.00	47480.00	14770.00	16
17	-4743.00	6666.00	-3725.00	14800.00	48350.00	14770.00	17
18	-4587.00	8068.00	-48.00	15900.00	50230.00	17230.00	18
19	-4245.00	9345.00	779.50	20960.00	50520.00	22440.00	19
20	-4183.00	10590.00	-1244.00	20040.00	49940.00	21860.00	20
21	-4027.00	7756.00	-2347.00	15080.00	47340.00	16360.00	21
22	-2593.00	6386.00	-1244.00	12690.00	49800.00	13610.00	22
23	-3154.00	4579.00	-416.00	12040.00	50530.00	12600.00	23
24	-4058.00	9781.00	-324.00	18390.00	45020.00	19840.00	24
25	-4681.00	11030.00	1239.00	17560.00	50230.00	20120.00	25
26	-5678.00	12520.00	1147.00	18390.00	47330.00	20700.00	26
27	-5553.00	12770.00	2066.00	21510.00	46900.00	23160.00	27
28	-4867.00	8722.00	1239.00	16270.00	50520.00	18100.00	28
29	-4556.00	7725.00	-600.00	15720.00	47340.00	16650.00	29
30	-4618.00	7912.00	135.50	18840.00	50810.00	20120.00	30
31	-5024.00	10560.00	-140.00	17650.00	49650.00	19550.00	31
32	-4712.00	7382.00	-1703.00	15900.00	49360.00	17230.00	32
33	-4711.00	8504.00	687.00	20500.00	48350.00	22000.00	33
34	-3715.00	8940.00	-1795.00	14710.00	47050.00	16650.00	34
35	-5957.00	8940.00	871.00	20500.00	46610.00	22300.00	35
36	-4432.00	9034.00	2067.00	21140.00	47620.00	22440.00	36
37	-5989.00	9407.00	1423.00	19950.00	50520.00	22150.00	37
38	-4245.00	10720.00	1055.00	17370.00	46320.00	20270.00	38
39	-4619.00	11280.00	1055.00	17370.00	47770.00	19690.00	39
40	-5117.00	11650.00	1791.00	18290.00	48640.00	20270.00	40
41	-3933.00	3489.00	1423.00	10020.00	53420.00	11730.00	41
42	-4027.00	4206.00	963.00	10110.00	53280.00	12450.00	42
43	-3310.00	3925.00	779.00	10850.00	51540.00	12740.00	43
44	-3839.00	6261.00	779.00	9376.00	51100.00	10280.00	44
45	-3185.00	4050.00	1515.00	11950.00	53420.00	13460.00	45
46	-2033.00	7631.00	2158.00	9836.00	50820.00	11150.00	46
47	-5366.00	2679.00	-2070.00	9652.00	44300.00	8110.00	47
48	-4082.00	3396.00	-2898.00	11770.00	43140.00	10720.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115

TGGW 20800 TCGG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
49	-5989.00	3613.00	-1979.00	11950.00	43430.00	11010.00	49
50	-5085.00	4081.00	-967.50	13510.00	44300.00	12160.00	50
51	-7390.00	4953.00	-140.00	13240.00	39520.00	13470.00	51
52	-5365.00	5358.00	-323.50	13970.00	47190.00	18530.00	52
53	-4400.00	3832.00	963.00	13420.00	45750.00	16220.00	53
54	-2811.00	4486.00	-232.00	11310.00	43860.00	13180.00	54
55	-756.00	5856.00	-4001.00	13420.00	43720.00	17670.00	55
56	-4244.00	2368.00	135.50	12410.00	44010.00	15350.00	56
57	-912.00	5451.00	-1335.00	12780.00	43570.00	16940.00	57
58	-4494.00	3115.00	-783.50	12960.00	44730.00	18100.00	58
59	-5584.00	3769.00	1239.00	12960.00	47770.00	19400.00	59
60	-5335.00	4641.00	-5288.00	18390.00	38650.00	20710.00	60
61	-4120.00	11710.00	-4001.00	17830.00	33870.00	22010.00	61

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TBGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	41800SDY	41800ALT	EVENT
1	31380.00	14220.00	-1664.00	1607.00	-1602.00	1053.00	1
2	32190.00	14060.00	-1664.00	1315.00	-1592.00	1001.00	2
3	33480.00	13740.00	-466.30	1636.00	-1044.00	1275.00	3
4	34770.00	13740.00	-203.40	1899.00	-1212.00	1085.00	4
5	36870.00	13580.00	-1051.00	934.90	-885.90	1264.00	5
6	38330.00	14060.00	-933.80	934.80	-1054.00	1074.00	6
7	39140.00	13250.00	-904.60	1256.00	-1012.00	1264.00	7
9	39620.00	14380.00	-816.90	1402.00	-1097.00	1369.00	9
10	39780.00	13900.00	-758.50	1344.00	-1012.00	1411.00	10
11	40590.00	15030.00	-729.30	1373.00	-843.80	1622.00	11
12	40750.00	16160.00	-816.90	1578.00	-1128.00	1527.00	12
13	41720.00	17130.00	-729.30	1490.00	-1076.00	1643.00	13
14	43340.00	18100.00	-933.80	1870.00	-1392.00	1791.00	14
15	41720.00	18100.00	-846.10	1782.00	-700.00	2100.00	15
16	42210.00	15030.00	-1021.00	1957.00	-949.10	1728.00	16
17	44150.00	16000.00	-963.00	2250.00	-759.50	1770.00	17
18	47210.00	20360.00	-1226.00	2220.00	-600.00	2000.00	18
19	45280.00	22630.00	-2804.00	5025.00	-1502.00	3903.00	19
20	41720.00	24240.00	-2453.00	5317.00	-28.00	5377.00	20
21	41560.00	16320.00	-787.70	1665.00	-780.60	1728.00	21
22	42690.00	13580.00	-846.10	1665.00	1705.00	3644.00	22
23	42210.00	12770.00	-875.30	1519.00	-296.10	1390.00	23
24	42850.00	20530.00	-1606.00	3009.00	1241.00	4108.00	24
25	42050.00	21980.00	-1752.00	3039.00	957.00	4392.00	25
26	41560.00	23760.00	-2511.00	4733.00	-28.00	5377.00	26
27	39620.00	25700.00	-3154.00	6428.00	-28.00	5377.00	27
28	43820.00	20850.00	-1402.00	2980.00	767.40	4582.00	28
29	43500.00	17620.00	-904.60	1957.00	-369.80	2391.00	29
30	45440.00	19560.00	-1226.00	2396.00	694.00	3497.00	30
31	43020.00	21980.00	-2453.00	4558.00	820.00	4529.00	31
32	44150.00	18590.00	-1021.00	2191.00	-1181.00	1980.00	32
33	45270.00	21650.00	-1255.00	2951.00	1610.00	3571.00	33
34	42050.00	16810.00	-437.20	1899.00	-275.00	1875.00	34
35	42530.00	20200.00	-2190.00	3711.00	-1976.00	3429.00	35
36	42530.00	22140.00	-1956.00	3594.00	1305.00	3981.00	36
37	39300.00	24400.00	-2365.00	6223.00	-1176.00	4229.00	37
38	40430.00	20360.00	-2453.00	4558.00	-28.00	5377.00	38
39	41240.00	21500.00	-2570.00	4558.00	451.00	4898.00	39
40	43330.00	22620.00	-2336.00	5843.00	-28.00	5377.00	40
41	44090.00	11150.00	-787.70	1315.00	-675.30	1096.00	41
42	46250.00	12610.00	-933.80	1636.00	2010.00	2391.00	42
43	43020.00	12280.00	-1051.00	1519.00	1705.00	3644.00	43
44	42370.00	9374.00	-261.80	1899.00	1400.00	2623.00	44
45	42530.00	12440.00	-1226.00	1519.00	2042.00	3307.00	45
46	39780.00	11960.00	-758.50	1461.00	-454.10	1317.00	46
47	39140.00	7435.00	-320.30	905.70	-675.30	1053.00	47
48	37840.00	9051.00	-612.40	1256.00	1610.00	3739.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TGW 20800 TCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41780SDY	61780ALT	41790SDY	41790ALT	41800SDY	41800ALT	EVENT
49	39460.00	10340.00	-378.70	1490.00	-822.80	1685.00	49
50	39460.00	11960.00	-612.40	1198.00	-980.70	1127.00	50
51	36870.00	14870.00	-407.90	1753.00	-928.10	1833.00	51
52	37840.00	19720.00	-1401.00	1753.00	1557.00	3792.00	52
53	36390.00	16320.00	-700.10	1578.00	1831.00	3476.00	53
54	35420.00	11480.00	-846.10	1373.00	1758.00	3591.00	54
55	38170.00	17130.00	-57.34	2103.00	1031.00	4318.00	55
56	35900.00	15190.00	-1021.00	1490.00	1600.00	3749.00	56
57	35420.00	17290.00	-1197.00	1782.00	-211.80	1896.00	57
58	37360.00	20850.00	-1255.00	1957.00	1262.00	4087.00	58
59	38650.00	20850.00	-933.80	2045.00	1305.00	4044.00	59
60	33640.00	24570.00	-904.60	3184.00	-1234.00	2876.00	60
61	25080.00	28280.00	-641.70	2162.00	851.70	4497.00	61

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TORGW 20800 TORG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
1	-327.00	764.90	1036.00	774.90	1115.00	370.80	1
2	-354.30	774.00	613.90	414.30	1061.00	270.30	2
3	-290.60	746.70	682.90	406.60	1069.00	262.60	3
4	-290.60	746.70	667.60	391.30	1038.00	247.20	4
5	-345.20	746.70	767.30	368.30	1069.00	247.20	5
6	-345.20	746.70	920.80	245.50	1038.00	231.70	6
7	-454.50	874.20	913.10	283.90	1123.00	347.60	7
9	-445.40	956.10	897.80	329.90	1123.00	409.40	9
10	-472.70	910.60	882.40	314.60	1084.00	386.20	10
11	-409.00	937.90	943.80	345.30	1115.00	432.60	11
12	-345.20	1093.00	966.80	368.30	1015.00	471.20	12
13	-372.50	1065.00	989.80	422.00	983.90	533.00	13
14	-436.30	1384.00	1051.00	452.70	929.80	617.90	14
15	-764.10	1421.00	1044.00	460.30	991.60	617.90	15
16	-937.10	1612.00	1028.00	521.70	1015.00	563.90	16
17	-1046.00	1721.00	1013.00	506.40	999.40	486.60	17
18	-436.30	1785.00	1051.00	483.30	968.40	641.10	18
19	-235.90	3351.00	1021.00	652.20	968.40	764.70	19
20	-381.70	3570.00	844.10	859.30	1030.00	811.10	20
21	-700.30	1521.00	943.80	375.90	937.60	548.40	21
22	-226.80	1102.00	1028.00	306.90	968.40	409.40	22
23	-281.50	865.10	989.80	237.80	960.70	309.00	23
24	-636.60	2331.00	1159.00	621.50	1007.00	710.60	24
25	-700.30	2322.00	759.70	805.60	1030.00	764.70	25
26	-490.90	2768.00	1000.00	700.00	1084.00	865.10	26
27	-491.10	3843.00	1189.00	897.70	1100.00	896.00	27
28	-144.90	1949.00	1013.00	537.10	976.20	695.20	28
29	-327.00	1220.00	989.80	406.70	953.00	579.30	29
30	-709.40	1621.00	982.20	583.10	960.70	633.40	30
31	-81.13	2632.00	1036.00	774.90	1023.00	787.90	31
32	-399.80	1220.00	1013.00	445.00	960.70	571.60	32
33	-545.50	1457.00	905.40	552.40	1007.00	648.80	33
34	-855.10	1493.00	1005.00	483.40	991.60	602.50	34
35	-26.50	2358.00	951.50	629.20	929.80	664.30	35
36	-755.00	2723.00	966.80	644.50	1030.00	687.40	36
37	-8.28	3743.00	928.50	713.50	937.60	733.80	37
38	-208.60	2723.00	997.50	644.50	983.90	795.60	38
39	-281.50	2450.00	1136.00	690.50	1030.00	811.10	39
40	-190.40	3378.00	959.20	713.50	1069.00	803.30	40
41	-135.80	628.30	1120.00	245.50	1030.00	208.60	41
42	-154.00	792.20	1044.00	230.20	1108.00	224.00	42
43	-281.50	737.60	882.40	375.90	1030.00	224.00	43
44	73.66	856.00	1151.00	291.50	983.90	332.20	44
45	-336.10	719.40	1151.00	260.80	1061.00	208.60	45
46	-381.70	728.50	1090.00	383.60	891.20	424.80	46
47	-363.40	346.00	805.70	237.80	891.20	208.60	47
48	-1019.00	1111.00	851.80	253.20	852.60	293.50	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TGW 20300 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
49	-1165.00	1293.00	859.40	260.80	821.70	262.60	49
50	-873.30	1147.00	913.10	329.90	960.70	247.20	50
51	-1001.00	1694.00	1021.00	376.00	875.80	363.00	51
52	-354.30	828.60	1128.00	329.90	1115.00	324.40	52
53	-254.20	655.70	1044.00	306.90	1123.00	239.40	53
54	-99.34	519.00	1036.00	268.60	991.60	231.80	54
55	119.20	755.80	1159.00	360.60	929.80	309.00	55
56	19.03	619.20	1005.00	253.20	968.40	131.30	56
57	-108.50	764.90	1182.00	368.30	891.20	316.70	57
58	-272.40	783.10	1205.00	314.60	1177.00	154.50	58
59	-299.70	846.90	1090.00	322.30	1208.00	169.90	59
60	-509.10	1402.00	951.50	414.30	960.70	339.80	60
61	9.91	992.50	1044.00	859.30	999.30	687.50	61

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
TSGW 20800 TSCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41860SDY	41860ALT	EVENT
1	-3212.00	8445.00	1
2	-7170.00	7917.00	2
3	-3344.00	11740.00	3
4	-6643.00	7390.00	4
5	-5059.00	7653.00	5
6	-6907.00	7390.00	6
7	-7434.00	7389.00	7
9	-6907.00	7917.00	9
10	-6247.00	7521.00	10
11	-1365.00	8445.00	11
12	2198.00	9368.00	12
13	4310.00	9105.00	13
14	13410.00	10030.00	14
15	13550.00	9369.00	15
16	14340.00	10690.00	16
17	8268.00	9896.00	17
18	12090.00	10560.00	18
19	11170.00	12010.00	19
20	12490.00	13060.00	20
21	26870.00	8181.00	21
22	33870.00	9105.00	22
23	36110.00	6861.00	23
24	10250.00	11350.00	24
25	24100.00	17290.00	25
26	3914.00	14250.00	26
27	18960.00	17150.00	27
28	12360.00	9764.00	28
29	14070.00	9897.00	29
30	20800.00	11610.00	30
31	9851.00	12540.00	31
32	12360.00	11610.00	32
33	15390.00	11480.00	33
34	19480.00	8973.00	34
35	15390.00	12010.00	35
36	12490.00	13060.00	36
37	7080.00	12930.00	37
38	19880.00	11480.00	38
39	17640.00	11610.00	39
40	20010.00	12930.00	40
41	56170.00	5806.00	41
42	56690.00	6070.00	42
43	54190.00	5674.00	43
44	57220.00	6598.00	44
45	59460.00	6201.00	45
46	55770.00	7522.00	46
47	-705.00	5146.00	47
48	-836.50	8445.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 115
T8GW 20800 T8CG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41860SDY	41860ALT	EVENT
49	2990.00	11220.00	49
50	4837.00	10690.00	50
51	5497.00	11080.00	51
52	57880.00	7784.00	52
53	54850.00	7653.00	53
54	46670.00	4750.00	54
55	52340.00	8049.00	55
56	52600.00	6994.00	56
57	51680.00	7653.00	57
58	54450.00	7521.00	58
59	51810.00	7785.00	59
60	59810.00	11880.00	60
61	4705.00	12670.00	61

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116

TORGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	4.30	7.23	11.70	-2.93	9.62	1.00	2
3	4.33	6.60	11.62	-1.66	11.89	1.00	3
4	4.51	8.37	12.88	-3.86	8.01	1.13	4
5	5.48	7.23	12.72	-2.09	11.93	1.13	5
6	5.82	8.59	14.41	-2.76	11.02	1.44	6
7	4.34	8.04	12.46	-3.69	9.40	1.13	7
8	5.36	7.27	13.05	-2.59	7.79	.92	8
9	6.24	9.85	16.10	-3.61	11.89	1.96	9
10	4.85	9.56	14.58	-4.71	10.67	1.44	10
11	5.19	9.47	14.75	-4.29	14.25	2.22	11
12	5.61	9.39	15.00	-3.78	12.46	1.66	12
13	4.85	8.46	13.31	-3.78	13.50	1.48	13
14	5.61	9.47	15.08	-4.37	13.59	1.57	14
15	4.72	8.67	13.56	-3.95	14.16	1.35	15
16	4.60	7.53	12.12	-2.93	13.59	.96	16
17	4.55	7.91	12.46	-3.35	14.38	1.22	17
18	4.34	7.10	11.53	-2.76	12.28	1.48	18
19	4.51	7.61	12.38	-3.10	12.20	1.40	19
20	4.64	7.23	11.87	-2.68	12.89	1.48	20
21	4.13	8.08	12.21	-3.95	13.11	2.14	21
22	3.45	7.74	11.70	-4.29	14.07	1.70	22
23	4.05	7.57	12.63	-3.52	13.85	1.31	23
24	4.26	9.81	14.07	-5.56	14.94	2.40	24
25	4.26	7.36	11.70	-3.10	10.67	1.09	25
26	4.22	6.39	10.60	-2.17	9.58	.78	26
27	3.71	5.20	8.99	-1.49	7.79	.57	27
28	5.10	8.54	13.65	-3.44	12.11	1.31	28
29	4.98	3.09	8.06	1.80	13.90	.39	29
30	4.26	6.77	11.19	-2.51	5.44	.83	30
31	3.75	6.68	10.43	-2.93	7.23	.70	31
32	3.88	6.56	10.43	-2.68	6.14	.74	32
33	3.79	3.60	7.39	-.14	6.96	.78	33
34	3.58	8.88	12.55	-5.30	6.35	.87	34
35	3.45	4.27	7.73	-.90	6.88	.52	35
36	5.48	5.12	10.60	-1.83	5.79	.83	36
37	5.78	6.51	12.29	-.73	6.40	1.00	37
38	4.38	6.47	10.94	-2.09	9.54	1.00	38
39	4.17	7.53	11.70	-3.35	10.19	1.22	39
40	4.68	7.61	12.29	-3.10	11.89	1.44	40
41	4.05	6.81	10.85	-2.76	9.62	.92	41
42	4.00	5.16	9.16	-1.92	10.50	.83	42

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116
TSGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
2	2097.00	4895.00	8239.00	18310.00	2
3	1207.00	5192.00	3534.00	21680.00	3
4	3135.00	5636.00	8575.00	22350.00	4
5	1949.00	6230.00	6727.00	25540.00	5
6	2542.00	6230.00	13280.00	18310.00	6
7	1948.00	5933.00	6727.00	23860.00	7
8	4322.00	4450.00	10760.00	14110.00	8
9	2690.00	3115.00	9415.00	12430.00	9
10	1504.00	4005.00	9415.00	15790.00	10
11	1800.00	4005.00	9583.00	13950.00	11
12	2394.00	4895.00	11770.00	18480.00	12
13	1800.00	4301.00	13780.00	14110.00	13
14	2690.00	4895.00	10420.00	18820.00	14
15	4470.00	4302.00	12610.00	12270.00	15
16	2097.00	2522.00	9079.00	8066.00	16
17	1800.00	2522.00	8743.00	7730.00	17
18	3283.00	3411.00	9751.00	11430.00	18
19	1949.00	2967.00	8407.00	11760.00	19
20	1948.00	3263.00	8239.00	11260.00	20
21	2542.00	4450.00	6726.00	15790.00	21
22	2097.00	4005.00	7399.00	16130.00	22
23	2245.00	3263.00	8911.00	11930.00	23
24	-7841.00	12760.00	7399.00	17470.00	24
25	2542.00	2670.00	7903.00	9914.00	25
26	3135.00	2967.00	7063.00	10750.00	26
27	2245.00	3560.00	4206.00	11260.00	27
28	2245.00	3560.00	10590.00	12600.00	28
29	2245.00	2670.00	6223.00	9914.00	29
30	2838.00	5933.00	5382.00	19490.00	30
31	3284.00	4895.00	3030.00	19150.00	31
32	2987.00	5192.00	2358.00	20160.00	32
33	3728.00	5043.00	5046.00	20500.00	33
34	1948.00	6823.00	-1171.00	25040.00	34
35	2690.00	6081.00	5214.00	21340.00	35
36	3580.00	5191.00	4542.00	22010.00	36
37	2097.00	5488.00	4878.00	21340.00	37
38	1059.00	7713.00	5550.00	34450.00	38
39	910.00	6971.00	4542.00	29070.00	39
40	1504.00	7268.00	5886.00	29070.00	40
41	1059.00	7713.00	5046.00	31920.00	41
42	1948.00	3263.00	3534.00	14280.00	42

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AIRCRAFT SLP1 FLIGHT 116

T06W 20800 T0CG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	1988.00	5778.00	1015.00	5274.00	-4454.00	6965.00	2
3	1060.00	7466.00	588.00	5002.00	-5214.00	6627.00	3
4	4139.00	6832.00	2644.00	5583.00	-5214.00	8400.00	4
5	1355.00	8267.00	-381.00	7600.00	-5889.00	8147.00	5
6	4055.00	5820.00	1635.00	5351.00	-6396.00	8063.00	6
7	2494.00	9490.00	1054.00	6864.00	-9731.00	10300.00	7
8	3380.00	4555.00	2062.00	5235.00	-5003.00	5403.00	8
9	4940.00	4513.00	3923.00	4304.00	-4074.00	8021.00	9
10	3380.00	6748.00	2217.00	7484.00	-6438.00	7767.00	10
11	3886.00	7760.00	2605.00	6243.00	-5678.00	8190.00	11
12	4013.00	6538.00	2566.00	7057.00	-6902.00	9076.00	12
13	4519.00	6031.00	2101.00	6980.00	-6480.00	6206.00	13
14	4645.00	6917.00	2954.00	7213.00	-6185.00	9203.00	14
15	4814.00	5483.00	2295.00	6709.00	-6396.00	5952.00	15
16	4012.00	4935.00	2915.00	5933.00	-4454.00	4348.00	16
17	4392.00	4555.00	3536.00	5235.00	-4665.00	4306.00	17
18	3211.00	5989.00	2566.00	6127.00	-6353.00	7008.00	18
19	4223.00	5230.00	3031.00	6204.00	-5214.00	4855.00	19
20	4350.00	5187.00	2683.00	6320.00	-5552.00	4602.00	20
21	3042.00	8942.00	2566.00	8066.00	-6100.00	8443.00	21
22	3211.00	8605.00	3419.00	6980.00	-6185.00	6417.00	22
23	3633.00	6579.00	2411.00	6825.00	-5298.00	5699.00	23
24	5489.00	7507.00	2489.00	8919.00	-3357.00	8316.00	24
25	3675.00	4260.00	2450.00	5467.00	-4834.00	3546.00	25
26	3042.00	4471.00	2024.00	5816.00	-4623.00	3588.00	26
27	1735.00	4850.00	549.50	6360.00	-4412.00	4137.00	27
28	4181.00	5356.00	1519.00	6631.00	-5678.00	6079.00	28
29	4307.00	2868.00	3730.00	2016.00	-3568.00	2618.00	29
30	-880.50	7550.00	-1699.00	7445.00	-3061.00	6585.00	30
31	-163.50	7339.00	-885.50	8570.00	-4412.00	5994.00	31
32	-416.50	9195.00	-594.00	9442.00	-4918.00	6332.00	32
33	680.00	8351.00	-575.00	8725.00	-4411.00	6248.00	33
34	764.00	10210.00	-129.00	9907.00	-3821.00	8189.00	34
35	384.50	8394.00	-381.00	9306.00	-4623.00	6627.00	35
36	680.00	8014.00	-265.00	9345.00	-7240.00	7303.00	36
37	722.00	8056.00	976.00	9578.00	-6354.00	7767.00	37
38	1861.00	10800.00	1636.00	8764.00	-2723.00	10300.00	38
39	427.00	8942.00	1597.00	7950.00	-2302.00	9625.00	39
40	1355.00	8773.00	1597.00	8105.00	-3146.00	12750.00	40
41	1566.00	9490.00	1015.00	7988.00	-1879.00	10300.00	41
42	2663.00	3922.00	1674.00	2598.00	-3990.00	2955.00	42

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116

T06W 20800 T0CG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-4494.00	6978.00	-783.50	14620.00	43860.00	16360.00	2
3	-5148.00	6074.00	-2255.00	14800.00	41400.00	16510.00	3
4	-6331.00	9376.00	228.00	16910.00	45750.00	19110.00	4
5	-4120.00	7102.00	-4093.00	16270.00	40390.00	16650.00	5
6	-5926.00	8847.00	1607.00	17560.00	41110.00	18820.00	6
7	-7453.00	8255.00	-1059.00	18020.00	39810.00	19840.00	7
8	-3964.00	5514.00	-1427.00	15630.00	41400.00	18540.00	8
9	-5895.00	7009.00	-5104.00	22800.00	36620.00	25630.00	9
10	-5864.00	8909.00	-2806.00	24910.00	39080.00	28950.00	10
11	-5958.00	8005.00	-4461.00	26380.00	37630.00	32430.00	11
12	-6082.00	8255.00	-5380.00	23810.00	38220.00	25780.00	12
13	-4549.00	6791.00	-5840.00	19860.00	38510.00	23170.00	13
14	-4736.00	9096.00	-8138.00	27850.00	-32000.00	64000.00	14
15	-6985.00	7289.00	-4277.00	20320.00	36480.00	23750.00	15
16	-5459.00	3894.00	-4185.00	16550.00	39090.00	18540.00	16
17	-6051.00	4049.00	-4369.00	17280.00	38940.00	18970.00	17
18	-6986.00	8161.00	-2255.00	18840.00	40530.00	21720.00	18
19	-4307.00	5918.00	-3082.00	18380.00	41400.00	21140.00	19
20	-5272.00	5202.00	-3449.00	16910.00	39380.00	18830.00	20
21	-2563.00	10220.00	-1979.00	26660.00	39660.00	30930.00	21
22	-5709.00	5451.00	-5656.00	22250.00	37490.00	26790.00	22
23	-4425.00	6043.00	-6115.00	22890.00	38360.00	27080.00	23
24	-1224.00	8068.00	-9700.00	33640.00	33000.00	41700.00	24
25	-3528.00	4330.00	-2622.00	14060.00	39660.00	14770.00	25
26	-2874.00	4797.00	-1611.00	12870.00	40240.00	14190.00	26
27	-2812.00	4797.00	-1427.00	11950.00	39230.00	13180.00	27
28	-5085.00	6635.00	1147.00	17280.00	43000.00	19260.00	28
29	-4836.00	2399.00	-3174.00	9469.00	40530.00	8110.00	29
30	-2095.00	6884.00	2067.00	16360.00	47770.00	19690.00	30
31	-5459.00	7320.00	-3725.00	17190.00	41980.00	20850.00	31
32	-2532.00	8753.00	-4920.00	15440.00	40820.00	19690.00	32
33	-2532.00	7632.00	-5288.00	14890.00	36330.00	20130.00	33
34	-5584.00	9251.00	-324.00	19490.00	44000.00	23740.00	34
35	-2625.00	9033.00	-4277.00	14250.00	37060.00	20270.00	35
36	-257.50	8099.00	3721.00	20410.00	52550.00	27950.00	36
37	-5989.00	7787.00	963.00	29780.00	51970.00	35470.00	37
38	-3934.00	10150.00	-4645.00	15170.00	38220.00	17960.00	38
39	-4556.00	11280.00	-6575.00	19120.00	35320.00	23460.00	39
40	-6114.00	13640.00	-6667.00	18480.00	32280.00	23600.00	40
41	-5615.00	12020.00	-2071.00	16450.00	36620.00	17230.00	41
42	-4556.00	3987.00	-2806.00	11310.00	37060.00	10720.00	42

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116
TSGW 20300 TSCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41780SDY	61780ALT	41790SDY	41790ALT	41800SDY	41800ALT	EVENT
2	34930.00	19070.00	-1021.00	1607.00	-843.80	1369.00	2
3	34610.00	18420.00	-495.60	1373.00	-791.10	1401.00	3
4	37200.00	19720.00	-1021.00	2191.00	1652.00	3697.00	4
5	32670.00	20360.00	-641.70	2162.00	1347.00	4002.00	5
6	35100.00	21820.00	-612.40	1957.00	546.00	4803.00	6
7	34290.00	25210.00	-1109.00	2454.00	1368.00	3981.00	7
8	33480.00	17290.00	-1430.00	1840.00	2063.00	3076.00	8
9	32510.00	26020.00	-1372.00	2776.00	-1170.00	2496.00	9
10	32350.00	29410.00	-1986.00	4032.00	156.50	4688.00	10
11	30890.00	31190.00	-1314.00	3184.00	8.50	5341.00	11
12	33320.00	24890.00	-700.10	2921.00	145.50	5204.00	12
13	34290.00	23600.00	-612.40	3360.00	356.50	4993.00	13
14	31380.00	30710.00	-1314.00	3477.00	-28.00	5377.00	14
15	32030.00	27800.00	-816.90	2863.00	461.50	4888.00	15
16	34450.00	20850.00	-1255.00	2600.00	-1076.00	2697.00	16
17	33320.00	19720.00	-816.90	2571.00	1294.00	4055.00	17
18	34930.00	25210.00	-1548.00	3126.00	-780.60	2697.00	18
19	33480.00	20530.00	-1226.00	2805.00	-1813.00	2254.00	19
20	34130.00	21170.00	-1460.00	3038.00	-1982.00	2275.00	20
21	32670.00	28440.00	-1022.00	3593.00	-1560.00	2613.00	21
22	34130.00	29900.00	-1781.00	3535.00	893.80	4455.00	22
23	33960.00	30060.00	-1402.00	3272.00	830.60	4518.00	23
24	29440.00	42340.00	-1694.00	4382.00	-559.50	4056.00	24
25	33640.00	14220.00	-1051.00	1928.00	1547.00	3802.00	25
26	33960.00	13900.00	-1080.00	1899.00	1052.00	4024.00	26
27	33640.00	12610.00	-1021.00	1957.00	1326.00	4023.00	27
28	35420.00	18260.00	-1460.00	2162.00	872.70	4476.00	28
29	34770.00	7920.00	-349.50	993.30	1905.00	3444.00	29
30	34290.00	18750.00	-1898.00	2776.00	588.00	4761.00	30
31	36710.00	21170.00	-1314.00	2775.00	630.40	3771.00	31
32	33160.00	21820.00	-1431.00	3535.00	-854.30	2897.00	32
33	31060.00	20690.00	-1431.00	2951.00	777.90	4571.00	33
34	34770.00	23760.00	-291.20	3915.00	777.90	4571.00	34
35	31380.00	22300.00	-1372.00	3126.00	946.40	4403.00	35
36	44300.00	29090.00	-1956.00	4003.00	-475.30	4435.00	36
37	44300.00	33940.00	-2219.00	3857.00	40.50	5309.00	37
38	35100.00	23760.00	30.28	2074.00	1326.00	4023.00	38
39	27340.00	30550.00	380.90	2892.00	1241.00	4108.00	39
40	27180.00	29090.00	-378.70	2133.00	2074.00	3275.00	40
41	31700.00	22630.00	-203.40	2016.00	1410.00	3939.00	41
42	30730.00	11310.00	-115.80	1694.00	5349.00		42

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116
TGW 20800 TBCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-245.10	919.70	928.50	498.70	1023.00	432.60	2
3	-181.30	710.30	974.50	606.10	1030.00	409.40	3
4	-964.40	1384.00	775.00	575.40	1061.00	533.00	4
5	-181.30	983.40	1013.00	751.90	1115.00	509.80	5
6	-982.60	1603.00	759.70	483.30	1162.00	509.80	6
7	-627.50	1084.00	943.80	728.90	1285.00	633.40	7
8	-272.40	947.00	928.50	299.20	1030.00	347.60	8
9	-427.20	1229.00	759.70	376.00	1007.00	494.30	9
10	-1001.00	2003.00	943.80	498.70	1100.00	509.80	10
11	-973.50	2103.00	821.00	406.70	1023.00	540.70	11
12	-1256.00	2076.00	943.80	452.70	1115.00	571.60	12
13	-509.10	1457.00	828.70	521.70	1108.00	393.90	13
14	-745.90	1839.00	959.20	621.50	1061.00	610.20	14
15	-755.00	1411.00	629.20	429.70	1007.00	401.70	15
16	-363.40	1329.00	920.80	322.20	983.90	301.30	16
17	-545.60	1311.00	867.10	237.80	991.60	309.00	17
18	-427.20	1375.00	729.00	329.90	1107.00	455.70	18
19	-609.30	1302.00	682.90	345.30	1038.00	324.40	19
20	-454.50	1348.00	782.70	291.60	976.20	309.00	20
21	-418.10	1475.00	836.40	468.00	1107.00	533.00	21
22	-591.10	1630.00	844.10	475.70	1069.00	417.10	22
23	-536.40	1484.00	836.40	314.60	929.80	386.20	23
24	-709.50	1603.00	805.70	575.40	883.50	540.70	24
25	-345.20	1002.00	905.40	199.50	999.30	239.50	25
26	-245.10	1047.00	897.80	299.20	999.30	239.50	26
27	-254.20	856.00	974.50	314.60	968.50	254.90	27
28	-554.70	1193.00	851.70	391.30	1030.00	378.50	28
29	-445.40	482.60	859.40	245.50	960.80	169.90	29
30	-955.30	1539.00	1166.00	521.70	1038.00	417.10	30
31	-90.25	1075.00	1036.00	529.40	999.30	378.50	31
32	-17.41	1220.00	1036.00	606.10	1046.00	409.40	32
33	-117.60	1120.00	982.20	583.10	999.30	409.40	33
34	-72.03	1311.00	936.10	721.20	953.00	502.10	34
35	-163.10	1202.00	1005.00	606.10	1046.00	440.30	35
36	-263.30	1521.00	974.50	560.10	1262.00	471.20	36
37	-563.80	2003.00	1281.00	667.50	1146.00	509.80	37
38	-53.81	928.80	928.50	928.30	868.00	664.30	38
39	119.20	992.60	1258.00	982.10	953.00	594.80	39
40	46.34	1011.00	897.80	790.30	898.90	787.90	40
41	-17.41	892.40	966.80	859.30	881.50	633.40	41
42	-181.30	473.50	951.50	368.30	863.00	185.40	42

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 116
TSGW 20800 TSCG 22.4 FWD FLIGHT DATE 08/02/77

EVENT	41860SDY	41860ALT	EVENT
2	15000.00	9764.00	2
3	8532.00	10690.00	3
4	8136.00	11080.00	4
5	6817.00	11610.00	5
6	17370.00	13460.00	6
7	4046.00	11480.00	7
8	35320.00	8973.00	8
9	-11260.00	15440.00	9
10	6684.00	15440.00	10
11	-7698.00	17950.00	11
12	2462.00	15440.00	12
13	-11920.00	16890.00	13
14	-5323.00	15310.00	14
15	-5719.00	12540.00	15
16	-2288.00	10690.00	16
17	-8490.00	11610.00	17
18	6025.00	14510.00	18
19	5629.00	13330.00	19
20	1011.00	14510.00	20
21	1670.00	18870.00	21
22	-12710.00	15040.00	22
23	-11260.00	13850.00	23
24	-12580.00	18080.00	24
25	15130.00	9632.00	25
26	21860.00	7654.00	26
27	33210.00	6598.00	27
28	9719.00	10820.00	28
29	-3212.00	5014.00	29
30	56300.00	7521.00	30
31	35850.00	7917.00	31
32	45080.00	8709.00	32
33	37560.00	9369.00	33
34	43760.00	10290.00	34
35	37560.00	8577.00	35
36	52340.00	9105.00	36
37	42310.00	12800.00	37
38	12360.00	14250.00	38
39	15790.00	18210.00	39
40	5101.00	13330.00	40
41	12490.00	13590.00	41
42	17900.00	6070.00	42

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
T8GW 24300 T8CG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
1	#####	#####	#####	#####	#####	#####	1
2	5.00	3.30	8.29	1.62	13.21	.38	2
17	4.02	4.19	9.19	-1.64	12.37	1.22	17
18	4.67	3.79	8.46	.88	13.17	.34	18
19	5.77	3.50	9.27	1.54	13.26	1.18	19
20	4.96	4.15	9.11	.80	12.96	.63	20
21	4.79	8.88	13.83	-4.08	14.31	.80	21
23	1.82	7.78	9.68	-5.96	8.32	.38	23
24	2.11	7.82	9.92	-5.71	8.53	.34	24
25	1.78	5.86	7.64	-4.16	8.44	.25	25
26	1.86	3.18	5.04	-1.48	8.19	.17	26
27	2.11	7.25	9.35	-5.14	9.08	.38	27
28	4.75	6.31	11.14	-1.72	12.16	1.10	28
29	4.30	7.98	12.69	-3.68	11.44	1.65	29
30	4.67	2.73	7.72	1.78	11.31	.59	30
32	4.79	4.23	9.03	.56	14.10	.68	32
33	5.16	3.95	9.11	1.13	14.40	.46	33
34	4.59	7.37	11.96	-2.78	9.96	1.18	34
35	4.39	7.82	12.45	-3.51	11.82	1.52	35
36	4.75	6.80	11.55	-2.05	10.98	1.01	36
37	4.22	3.99	8.78	-2.45	10.55	1.01	37

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
TGGW 24300 TCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
1					1
2	1458.00	3007.00	8946.00	10760.00	2
17	1458.00	3580.00	3567.00	16810.00	17
18	1458.00	3580.00	5248.00	14790.00	18
19	1458.00	2721.00	5920.00	11430.00	19
20	2317.00	3294.00	8442.00	12610.00	20
21	1028.00	4296.00	1886.00	16140.00	21
23	-13150.00	16750.00	-2317.00	13950.00	23
24	-3411.00	7876.00	1381.00	9246.00	24
25	1458.00	2435.00	1886.00	5716.00	25
26	885.00	2148.00	372.50	4876.00	26
27	-1263.00	4582.00	4407.00	9582.00	27
28	2460.00	4869.00	11300.00	19840.00	28
29	-1836.00	7160.00	2894.00	26230.00	29
30	2031.00	4440.00	8442.00	18660.00	30
32	742.00	4296.00	1549.00	18830.00	32
33	1028.00	6014.00	1717.00	23030.00	33
34	312.00	8735.00	7097.00	38500.00	34
35	1028.00	8019.00	6929.00	36980.00	35
36	-260.50	9308.00	3567.00	34970.00	36
37	1601.00	2864.00	5080.00	12270.00	37

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
T0GW 24300 T0CG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
1	#####	#####	#####	#####	#####	#####	1
2	3138.00	3721.00	2537.00	2985.00	-4823.00	4243.00	2
17	3011.00	5794.00	2193.00	3635.00	-4657.00	2995.00	17
18	3730.00	4905.00	2422.00	3406.00	-4324.00	4243.00	18
19	3984.00	3045.00	2920.00	3138.00	-5364.00	4035.00	19
20	3349.00	3172.00	2958.00	3636.00	-4324.00	3660.00	20
21	3518.00	4779.00	2154.00	3980.00	-4574.00	4908.00	21
23	-75.97	3722.00	2193.00	3252.00	-663.80	3910.00	23
24	981.30	2833.00	-103.10	2411.00	501.20	3161.00	24
25	1193.00	1522.00	930.20	1378.00	-538.70	1789.00	25
26	643.00	1565.00	1198.00	1569.00	-455.50	1789.00	26
27	1488.00	3341.00	2690.00	2985.00	-580.30	3161.00	27
28	4098.00	7020.00	2154.00	5970.00	-2785.00	6198.00	28
29	5506.00	8712.00	355.50	9300.00	-2120.00	10610.00	29
30	3350.00	6047.00	432.50	6162.00	-4366.00	7279.00	30
32	3857.00	5540.00	2805.00	5549.00	-3035.00	7446.00	32
33	4111.00	6047.00	3226.00	6353.00	-1912.00	8069.00	33
34	2208.00	12180.00	1236.00	9491.00	-3285.00	12020.00	34
35	1827.00	11800.00	1695.00	9491.00	-4324.00	11230.00	35
36	1700.00	10570.00	-467.00	9280.00	-3576.00	11650.00	36
37	2419.00	3510.00	2078.00	3444.00	-3617.00	4201.00	37

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
TGW 24300 TBCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
1							1
2	-6029.00	3795.00	-7853.00	10660.00	33650.00	10640.00	2
17	-5469.00	3422.00	-4510.00	12200.00	40060.00	12970.00	17
18	-5096.00	4417.00	-4058.00	9398.00	37290.00	9037.00	18
19	-6247.00	4572.00	-5323.00	9036.00	38020.00	10640.00	19
20	-5593.00	3982.00	-2793.00	12650.00	39770.00	13260.00	20
21	-5780.00	4479.00	-3245.00	14550.00	40500.00	14280.00	21
23	-741.30	3982.00	-2793.00	9036.00	40350.00	9474.00	23
24	-1177.00	3670.00	-1799.00	8946.00	40790.00	9037.00	24
25	-865.30	1804.00	-2883.00	6235.00	41660.00	6122.00	25
26	-492.10	1680.00	-3787.00	2801.00	39330.00	3790.00	26
27	-1301.00	2737.00	-4058.00	8494.00	41080.00	8163.00	27
28	-5904.00	6346.00	641.00	15900.00	39910.00	18370.00	28
29	-4443.00	11540.00	-4600.00	18430.00	38310.00	18800.00	29
30	-5345.00	8150.00	-1076.00	17080.00	37870.00	19240.00	30
32	-4598.00	6408.00	-1709.00	15180.00	39480.00	17640.00	32
33	-4661.00	9021.00	-4329.00	17620.00	39330.00	19240.00	33
34	-5656.00	11510.00	-6407.00	18250.00	40060.00	23180.00	34
35	-3261.00	11100.00	-5052.00	18890.00	36560.00	23180.00	35
36	-5625.00	12220.00	-4600.00	16630.00	39480.00	20840.00	36
37	-5065.00	4386.00	-7040.00	9850.00	34810.00	10350.00	37

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
TGW 24300 TBCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	41720SDY	61780ALT	41790SDY	41790ALT	41800SDY	41800ALT	EVENT
1	#####	#####	#####	#####	#####	#####	1
2	30790.00	13440.00	-783.60	1097.00	5239.00		2
17	32090.00	16360.00	130.90	1463.00	5239.00		17
18	35810.00	12310.00	-82.50	1250.00	5239.00		18
19	35490.00	12630.00	-143.40	1494.00	5239.00		19
20	33060.00	11820.00	-265.40	1006.00	5239.00		20
21	35650.00	14090.00	-1241.00	1921.00	1795.00	3444.00	21
23	37590.00	8585.00	1045.00	1341.00	2094.00	3145.00	23
24	37270.00	9233.00	954.00	1128.00	5239.00		24
25	38240.00	6317.00	313.80	548.80	5239.00		25
26	35170.00	4212.00	252.80	304.80	5239.00		26
27	35980.00	8261.00	954.00	1311.00	2083.00	3156.00	27
28	35000.00	21540.00	-234.90	2134.00	1395.00	3844.00	28
29	33550.00	19440.00	-661.70	2439.00	346.00	4893.00	29
30	31280.00	21380.00	-570.30	1921.00	1364.00	3875.00	30
32	35810.00	22680.00	39.47	1738.00	983.30	4256.00	32
33	32740.00	22510.00	-52.00	2256.00	4324.00	914.70	33
34	39050.00	29480.00	-814.10	2225.00	387.00	4852.00	34
35	32090.00	28670.00	-326.30	2225.00	695.50	4544.00	35
36	38400.00	27530.00	-722.70	2195.00	448.50	4791.00	36
37	29010.00	11340.00	-295.90	1341.00	5239.00		37

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
TORGW 24300 TBCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
1	#####	#####	#####	#####	#####	#####	1
2	-399.70	458.90	949.80	289.90	1037.00	276.50	2
17	-570.70	521.90	994.40	483.30	932.00	201.70	17
18	-498.70	539.90	793.60	505.60	999.30	284.00	18
19	-696.60	683.90	786.20	289.90	961.90	306.30	19
20	-633.70	530.90	882.80	312.30	999.30	269.00	20
21	-597.70	602.90	845.70	438.70	1029.00	328.80	21
23	149.20	359.90	1381.00	394.00	842.30	291.40	23
24	59.25	287.90	875.40	364.30	722.80	201.80	24
25	140.20	225.00	949.70	260.20	797.50	112.10	25
26	86.22	153.00	1136.00	119.00	775.10	119.60	26
27	-102.80	305.90	1009.00	245.30	849.80	209.20	27
28	-399.70	746.90	652.30	557.60	961.90	381.10	28
29	-327.70	692.90	1091.00	713.70	849.80	657.50	29
30	-408.70	737.90	875.40	453.50	1029.00	448.30	30
32	-687.70	872.80	1009.00	527.80	961.90	470.80	32
33	-903.60	1323.00	1002.00	579.90	887.20	500.60	33
34	-201.70	980.80	1009.00	1019.00	939.50	747.20	34
35	5.25	1080.00	1046.00	996.20	976.90	709.90	35
36	-318.70	953.80	1113.00	929.30	954.40	717.30	36
37	-417.70	602.90	949.80	289.90	969.40	254.10	37

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 117
TSGW 24300 TSCG 4.4 FWD FLIGHT DATE 08/04/77

EVENT 41860SDY 41860ALT EVENT

1	#####	1
2	-6372.00 5320.00	2
17	2062.00 10380.00	17
18	-3647.00 5968.00	18
19	-3647.00 10640.00	19
20	-1312.00 7007.00	20
21	-6372.00 8174.00	21
23	28920.00 4282.00	23
24	26710.00 4412.00	24
25	28790.00 3114.00	25
26	29050.00 2595.00	26
27	27620.00 4542.00	27
28	2062.00 12200.00	28
29	7512.00 15050.00	29
30	-7799.00 8304.00	30
32	-10390.00 10120.00	32
33	-13120.00 10510.00	33
34	7771.00 16090.00	34
35	11530.00 16740.00	35
36	9976.00 14140.00	36
37	17110.00 8044.00	37

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	5.31	7.75	13.06	-2.52	12.66	.93	2
3	5.11	7.71	12.82	-2.60	10.71	.84	3
5	4.99	8.00	12.98	-3.01	12.06	.93	5
6	4.66	8.00	12.74	-3.34	13.21	1.14	6
7	4.58	8.16	12.90	-3.58	13.54	1.14	7
8	4.50	8.08	12.57	-3.58	13.12	1.23	8
9	4.99	7.02	12.17	-2.11	10.71	.84	9
10	5.15	6.69	11.84	-1.54	10.33	.80	10
11	4.99	6.45	11.43	-1.46	10.50	.80	11
12	5.11	6.32	11.43	-1.22	10.92	.89	12
13	4.74	6.85	11.68	-2.11	11.09	.97	13
15	5.03	7.30	12.41	-2.28	9.15	.89	15
16	4.74	6.85	11.84	-2.11	8.26	.85	16
17	4.50	5.88	10.37	-1.46	6.91	.68	17
18	5.60	7.30	12.90	-1.79	6.83	.93	18
19	5.31	6.20	11.51	-1.38	12.32	.93	19
20	5.48	7.51	12.98	-2.11	12.06	1.27	20
21	5.15	8.08	13.39	-2.93	9.91	1.23	21
22	5.52	7.71	13.23	-2.19	11.98	1.35	22
23	5.07	7.43	13.31	-2.36	10.04	1.10	23
24	5.84	7.55	13.39	-2.03	10.76	1.14	24
25	5.80	8.00	13.80	-2.93	10.54	1.35	25
26	5.84	7.87	14.12	-2.28	11.09	1.23	26
27	5.92	7.30	13.23	-2.68	9.36	1.18	27
28	5.48	7.43	13.31	-2.28	9.36	1.01	28
29	6.13	8.40	14.61	-2.28	11.05	2.11	29
30	6.01	8.69	15.02	-2.68	11.26	2.15	30
31	5.44	8.85	14.37	-4.07	12.87	1.31	31
32	5.52	8.77	14.29	-3.42	12.66	1.27	32
33	5.35	8.94	14.53	-3.83	13.21	1.31	33
34	5.44	8.85	14.45	-3.91	11.85	1.31	34
35	4.90	7.83	12.74	-2.93	11.98	.93	35
36	4.86	8.04	12.90	-3.26	12.02	1.06	36
37	5.76	8.44	14.29	-3.09	9.66	1.31	37
38	5.44	10.16	15.59	-4.72	13.88	1.14	38
39	5.03	7.95	12.98	-2.93	11.60	1.65	39
40	5.03	8.53	13.88	-3.50	10.97	1.27	40
41	5.07	8.24	13.31	-3.17	11.52	1.48	41
42	4.82	7.67	12.49	-3.09	12.70	1.82	42
43	4.70	7.55	12.25	-3.01	13.04	1.14	43
44	4.78	8.69	13.47	-3.91	13.92	2.79	44
45	4.46	8.61	13.23	-4.15	13.67	1.35	45
46	3.84	4.41	8.25	-.97	5.52	.38	46
47	4.17	5.63	9.88	-1.46	5.47	.59	47
48	4.33	5.63	10.62	-1.38	6.53	.63	48
49	5.80	6.53	12.33	-1.05	5.35	.89	49
50	5.48	5.79	11.27	-1.38	4.67	.89	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
51	5.52	7.30	12.82	-1.87	6.95	1.14	51
52	4.78	8.20	12.98	-3.42	12.78	1.39	52

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TRGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
2	4006.00	4299.00	5908.00	10930.00	2
3	1570.00	2150.00	7421.00	8070.00	3
5	2716.00	2436.00	9774.00	6725.00	5
6	1999.00	2006.00	9774.00	6725.00	6
7	-150.00	3869.00	10110.00	7734.00	7
8	-150.00	4442.00	11120.00	10420.00	8
9	1426.00	2293.00	5403.00	9079.00	9
10	853.00	2866.00	4731.00	9079.00	10
11	852.50	3153.00	4395.00	11430.00	11
12	1140.00	3726.00	5571.00	13280.00	12
13	1426.00	5732.00	5403.00	24880.00	13
15	-1010.00	5015.00	8766.00	14120.00	15
16	2716.00	3869.00	8430.00	12780.00	16
17	2286.00	3153.00	4731.00	11100.00	17
18	3576.00	3583.00	8430.00	14120.00	18
19	853.00	4012.00	2881.00	17320.00	19
20	853.00	5445.00	4731.00	25220.00	20
21	2430.00	5589.00	11620.00	20680.00	21
22	1570.00	6449.00	4563.00	26730.00	22
23	2143.00	3583.00	7925.00	12950.00	23
24	3719.00	4012.00	9774.00	12110.00	24
25	3862.00	5302.00	12630.00	14630.00	25
26	2143.00	4156.00	9774.00	16140.00	26
27	-1010.00	5015.00	10110.00	11430.00	27
28	3862.00	4442.00	12300.00	12610.00	28
29	1713.00	3726.00	8093.00	14800.00	29
30	2286.00	4012.00	8766.00	15470.00	30
31	4436.00	4156.00	10950.00	11600.00	31
32	-1583.00	5875.00	10000.00	12000.00	32
33	-436.50	5016.00	9102.00	14120.00	33
34	-723.50	6162.00	12460.00	14800.00	34
35	4436.00	4156.00	9438.00	7734.00	35
36	3433.00	3726.00	8093.00	7061.00	36
37	136.50	6162.00	11460.00	18160.00	37
38	1570.00	3296.00	8934.00	14290.00	38
39	4292.00	4012.00	8429.00	10760.00	39
40	4292.00	4299.00	6244.00	8575.00	40
41	279.50	3726.00	3554.00	14630.00	41
42	1713.00	3153.00	6916.00	12950.00	42
43	852.50	3153.00	6244.00	8238.00	43
44	1713.00	3726.00	8093.00	13450.00	44
45	423.00	3582.00	9102.00	8743.00	45
46	3433.00	3153.00	4227.00	9920.00	46
47	3719.00	4586.00	3554.00	15970.00	47
48	2859.00	5159.00	4731.00	16140.00	48
49	2716.00	3583.00	5067.00	15130.00	49
50	2573.00	5446.00	8261.00	18660.00	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TOGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
51	2859.00	6018.00	5235.00	14630.00	51
52	-7.00	9171.00	3722.00	39680.00	52

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TBGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	2063.00	4819.00	3658.00	4667.00	-5140.00	4703.00	2
3	3585.00	3466.00	2473.00	4093.00	-3891.00	4620.00	3
5	3966.00	4100.00	3238.00	5164.00	-4557.00	3954.00	5
6	4008.00	4312.00	3199.00	5203.00	-4849.00	3662.00	6
7	4008.00	4650.00	3085.00	5623.00	-5015.00	4245.00	7
8	3839.00	5411.00	2434.00	6504.00	-5848.00	5410.00	8
9	2909.00	3551.00	2473.00	3787.00	-3684.00	4661.00	9
10	2360.00	3931.00	1937.00	3940.00	-4349.00	4412.00	10
11	1514.00	4777.00	1554.00	4093.00	-4266.00	5410.00	11
12	1176.00	5454.00	1439.00	3749.00	-4308.00	5452.00	12
13	795.00	8370.00	559.50	5930.00	-3933.00	7242.00	13
15	3416.00	5326.00	2205.00	6044.00	-3891.00	6201.00	15
16	3458.00	4692.00	1401.00	6083.00	-4016.00	5078.00	16
17	2317.00	4481.00	942.00	5853.00	-4599.00	3579.00	17
18	2867.00	5368.00	1669.00	6121.00	-4224.00	5036.00	18
19	1134.00	5665.00	1822.00	4055.00	-5099.00	6076.00	19
20	1725.00	8539.00	177.00	6083.00	-5764.00	7658.00	20
21	710.50	6595.00	2167.00	6619.00	-5348.00	7658.00	21
22	922.00	8497.00	-52.50	6313.00	-5431.00	7491.00	22
23	2698.00	4692.00	1937.00	5164.00	-3475.00	6118.00	23
24	3078.00	4227.00	2090.00	4935.00	-3933.00	6409.00	24
25	3416.00	5242.00	1516.00	5892.00	-5057.00	7116.00	25
26	3332.00	4988.00	1516.00	6427.00	-3933.00	7741.00	26
27	3121.00	4269.00	2205.00	4896.00	-4058.00	5369.00	27
28	3839.00	4734.00	1172.00	5471.00	-4682.00	5910.00	28
29	3374.00	5115.00	3391.00	5164.00	-3393.00	7533.00	29
30	3247.00	5073.00	3085.00	5700.00	-3060.00	7783.00	30
31	4008.00	4903.00	4462.00	6082.00	-5473.00	6284.00	31
32	4346.00	4988.00	2090.00	6542.00	-6389.00	6284.00	32
33	4346.00	5495.00	2128.00	6274.00	-5514.00	7325.00	33
34	4304.00	5537.00	2893.00	6427.00	-4432.00	7408.00	34
35	3796.00	4354.00	2855.00	5011.00	-4890.00	3704.00	35
36	3374.00	4607.00	1822.00	6274.00	-5098.00	3746.00	36
37	3332.00	7101.00	3352.00	7498.00	-4100.00	9156.00	37
38	3797.00	5875.00	1975.00	6121.00	-5556.00	8032.00	38
39	4050.00	5538.00	3123.00	5432.00	-5182.00	4994.00	39
40	4050.00	4439.00	3314.00	5394.00	-4890.00	4620.00	40
41	2571.00	5410.00	1478.00	6236.00	-3642.00	8282.00	41
42	3458.00	5453.00	2434.00	6044.00	-3767.00	4994.00	42
43	3670.00	4988.00	2511.00	5815.00	-4849.00	4328.00	43
44	3205.00	8582.00	2932.00	7231.00	-7720.00	7616.00	44
45	3416.00	4904.00	3008.00	5777.00	-4016.00	4329.00	45
46	2021.00	4777.00	-205.50	5471.00	-2893.00	2622.00	46
47	246.00	6214.00	-856.00	6886.00	-5265.00	4578.00	47
48	1768.00	5791.00	1592.00	6274.00	-5515.00	4994.00	48
49	2656.00	5834.00	1469.00	6580.00	-6181.00	4329.00	49
50	2190.00	6890.00	253.00	7001.00	-6638.00	5619.00	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TGGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
51	2021.00	6299.00	1516.00	6580.00	-5473.00	4453.00	51
52	541.50	11160.00	904.00	9870.00	-2685.00	12730.00	52

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TSGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-6102.00	4478.00	-4688.00	14180.00	35120.00	16440.00	2
3	-5387.00	3949.00	-4417.00	13010.00	37300.00	13390.00	3
5	-5107.00	3918.00	-4055.00	13910.00	37450.00	14990.00	5
6	-5356.00	3669.00	-5320.00	15360.00	36430.00	16590.00	6
7	-5853.00	4105.00	-5862.00	16260.00	36870.00	18190.00	7
8	-6382.00	5690.00	-6224.00	18430.00	36430.00	21540.00	8
9	-4609.00	4167.00	-3965.00	13640.00	39050.00	14840.00	9
10	-5138.00	3949.00	-3604.00	12740.00	39490.00	14120.00	10
11	-4951.00	4571.00	-3242.00	13640.00	39780.00	15280.00	11
12	-4454.00	4695.00	-2068.00	13550.00	40070.00	15570.00	12
13	-4516.00	6685.00	-3875.00	14270.00	40360.00	15860.00	13
15	-3801.00	6841.00	-2158.00	13280.00	38030.00	13830.00	15
16	-3925.00	7276.00	-2339.00	12560.00	37890.00	13970.00	16
17	-3708.00	4011.00	-3513.00	11750.00	36580.00	14410.00	17
18	-4299.00	7089.00	-1526.00	14090.00	37590.00	18050.00	18
19	-5418.00	5535.00	-532.00	15270.00	41820.00	17900.00	19
20	-5387.00	6872.00	-4688.00	18160.00	39780.00	17030.00	20
21	-5356.00	7960.00	281.00	17890.00	40940.00	18190.00	21
22	-4641.00	6809.00	-5682.00	18070.00	39340.00	17170.00	22
23	-4205.00	6126.00	-3152.00	14460.00	37300.00	15720.00	23
24	-4361.00	6281.00	-3965.00	15450.00	38030.00	16150.00	24
25	-5263.00	7431.00	-712.50	15810.00	38760.00	20080.00	25
26	-5107.00	8458.00	100.50	16980.00	37300.00	17750.00	26
27	-4205.00	5566.00	-1164.00	15000.00	39490.00	16450.00	27
28	-4952.00	5379.00	-1345.00	14640.00	39340.00	17170.00	28
29	-5232.00	6716.00	-3242.00	16890.00	36870.00	19060.00	29
30	-4112.00	7587.00	-4146.00	19060.00	36580.00	21100.00	30
31	-4827.00	5690.00	-3333.00	20060.00	35410.00	21100.00	31
32	-7439.00	5815.00	-4688.00	18160.00	37010.00	19790.00	32
33	-5978.00	6343.00	-3694.00	20240.00	37590.00	21830.00	33
34	-4890.00	7369.00	-4055.00	21500.00	36580.00	23430.00	34
35	-4382.00	3514.00	-3875.00	16080.00	38030.00	17900.00	35
36	-6382.00	3327.00	-4146.00	14730.00	38180.00	16300.00	36
37	-5263.00	10350.00	-531.50	17980.00	41670.00	22120.00	37
38	-5915.00	7898.00	-5953.00	21770.00	35120.00	24890.00	38
39	-4413.00	4602.00	-803.00	17530.00	40360.00	18770.00	39
40	-3770.00	5006.00	-2249.00	14270.00	38180.00	16010.00	40
41	-1750.00	9266.00	191.00	15990.00	40940.00	17610.00	41
42	-2278.00	6126.00	-6224.00	17170.00	39050.00	19790.00	42
43	-4569.00	4322.00	-4959.00	16800.00	37450.00	19360.00	43
44	-5635.00	7245.00	-3513.00	24750.00	37150.00	28960.00	44
45	-4112.00	4789.00	-3694.00	17530.00	38610.00	19650.00	45
46	-3272.00	2892.00	-2791.00	10840.00	43420.00	15430.00	46
47	-4143.00	4820.00	-3423.00	13820.00	43120.00	16880.00	47
48	-4236.00	4540.00	-3694.00	15540.00	40650.00	18770.00	48
49	-4444.00	4633.00	552.00	17620.00	42540.00	22120.00	49
50	-6506.00	5753.00	1637.00	17440.00	51130.00	24010.00	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
51	-3397.00	6312.00	-441.50	16980.00	41960.00	19790.00	51
52	-6538.00	12930.00	-5591.00	23400.00	36290.00	22560.00	52

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TAGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	EVENT
2	28870.00	17830.00	90.94	2314.00	2
3	30820.00	15880.00	-609.20	1735.00	3
5	29360.00	15400.00	-1005.00	2070.00	5
6	30330.00	17340.00	-457.00	2740.00	6
7	31140.00	19120.00	-578.80	3105.00	7
8	30650.00	22200.00	-609.30	3562.00	8
9	32270.00	15720.00	-548.30	1431.00	9
10	33410.00	15560.00	-396.10	1339.00	10
11	33570.00	17340.00	-274.30	1218.00	11
12	33410.00	18150.00	-274.30	1218.00	12
13	33250.00	19930.00	-243.90	1309.00	13
15	27410.00	14100.00	-578.80	2253.00	15
16	28380.00	13770.00	-548.30	2283.00	16
17	28550.00	13940.00	-1248.00	2131.00	17
18	28380.00	17340.00	-1309.00	2070.00	18
19	34060.00	20420.00	-304.80	1492.00	19
20	30980.00	21230.00	-396.10	1400.00	20
21	33730.00	20420.00	-122.10	2222.00	21
22	31300.00	20580.00	-122.10	1613.00	22
23	29190.00	16530.00	-61.25	2222.00	23
24	32600.00	17340.00	-30.81	2192.00	24
25	31300.00	20910.00	-1035.00	2283.00	25
26	29190.00	21070.00	60.50	2466.00	26
27	31790.00	17830.00	-822.20	1644.00	27
28	30980.00	18310.00	-944.00	1887.00	28
29	33250.00	20260.00	-974.50	1857.00	29
30	32600.00	21880.00	-91.69	2253.00	30
31	29030.00	20260.00	-548.30	2709.00	31
32	28710.00	19930.00	-548.30	2953.00	32
33	27900.00	22040.00	-2314.00	3501.00	33
34	30650.00	21550.00	-517.80	2740.00	34
35	30980.00	17020.00	-700.50	2314.00	35
36	31300.00	16040.00	-487.40	2648.00	36
37	32270.00	24790.00	-852.70	2831.00	37
38	28380.00	22530.00	-730.90	2892.00	38
39	32270.00	18640.00	-822.20	2314.00	39
40	30170.00	15560.00	-274.30	2618.00	40
41	33410.00	17500.00	-609.20	3257.00	41
42	36810.00	20910.00	-1279.00	3197.00	42
43	31790.00	20420.00	-335.20	3288.00	43
44	29200.00	25930.00	-1401.00	4231.00	44
45	31300.00	20260.00	-335.20	3288.00	45
46	35350.00	16210.00	-883.20	2009.00	46
47	33570.00	17660.00	-457.00	2679.00	47
48	31140.00	19770.00	-1583.00	2527.00	48
49	31630.00	19610.00	-1827.00	2953.00	49
50	42800.00	24300.00	-1827.00	3257.00	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TGGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	41780SDY	61780ALT	41790SDY	41790ALT	EYENT
51	29030.00	17990.00	-457.00	2618.00	51
52	24660.00	29820.00	-426.50	2648.00	52

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TAGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-407.80	809.00	949.30	467.90	1010.00	283.80	2
3	-344.90	800.00	696.80	378.80	957.90	291.20	3
5	-434.80	961.80	1061.00	401.00	1018.00	276.30	5
6	-542.70	1034.00	1001.00	282.20	1025.00	268.80	6
7	-515.70	1258.00	815.70	245.10	1018.00	291.20	7
8	-533.70	1384.00	726.50	363.90	1077.00	365.80	8
9	-425.80	809.00	941.90	237.70	935.50	283.70	9
10	-380.90	692.10	964.20	259.90	987.70	276.30	10
11	-407.80	701.10	986.50	326.80	972.80	321.10	11
12	-353.90	701.10	1009.00	393.60	972.80	336.00	12
13	-264.00	827.00	993.90	705.50	965.30	433.10	13
15	-380.90	979.80	949.30	334.20	972.80	425.60	15
16	-219.10	925.80	986.50	356.50	957.90	336.00	16
17	-237.10	800.00	979.00	289.70	1003.00	231.50	17
18	-389.90	934.80	986.50	371.30	928.00	336.00	18
19	-309.00	782.00	1061.00	475.30	1033.00	380.80	19
20	-327.00	800.00	941.90	712.90	1070.00	492.80	20
21	-362.90	1052.00	852.80	564.40	1070.00	492.80	21
22	-434.80	871.90	1001.00	742.60	1040.00	477.90	22
23	-461.80	1079.00	719.10	415.90	920.50	388.30	23
24	-228.10	952.80	719.10	445.60	950.40	403.20	24
25	-443.80	1222.00	793.40	579.30	1047.00	470.40	25
26	-425.80	1133.00	578.00	586.70	965.30	477.80	26
27	-416.80	961.80	659.70	490.10	987.70	350.90	27
28	-380.90	1088.00	771.10	363.90	1025.00	388.30	28
29	-488.80	1052.00	860.20	408.50	935.50	477.80	29
30	-542.70	1124.00	540.90	549.60	913.10	500.30	30
31	-587.60	1151.00	711.70	393.60	1040.00	418.10	31
32	-569.70	1204.00	1246.00	527.30	1122.00	425.60	32
33	-614.60	1249.00	867.70	519.80	1077.00	485.30	33
34	-731.40	1312.00	763.70	430.70	980.30	492.80	34
35	-389.90	1079.00	912.20	178.30	1025.00	253.90	35
36	-479.80	1061.00	786.00	319.30	1047.00	276.30	36
37	-515.70	1492.00	748.80	505.00	972.80	574.90	37
38	-560.70	1339.00	1217.00	467.90	1047.00	545.10	38
39	-416.80	1177.00	1135.00	460.40	1018.00	336.00	39
40	-695.50	1007.00	1090.00	356.50	1040.00	313.60	40
41	-309.00	1321.00	1083.00	378.80	928.00	515.20	41
42	-551.70	1366.00	889.90	349.00	957.90	321.10	42
43	-587.60	1312.00	726.60	334.20	980.30	298.70	43
44	-506.70	1501.00	860.20	438.20	1197.00	455.50	44
45	-785.40	1402.00	726.50	319.30	1033.00	291.20	45
46	-174.10	880.90	919.60	408.40	972.80	186.70	46
47	-335.90	1043.00	1410.00	497.60	1115.00	313.60	47
48	-461.80	970.80	1031.00	415.90	1130.00	313.60	48
49	-371.90	1007.00	1388.00	594.10	1115.00	298.70	49
50	-596.60	1411.00	1491.00	638.70	1331.00	365.90	50

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AIRCRAFT SLP1 FLIGHT 119
TGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
51	-291.00	1070.00	1350.00	557.00	1301.00	440.50	51
52	-174.20	1061.00	1061.00	1040.00	868.30	784.00	52

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	41860SDY	41860ALT	EVENT
2	25000.00	9000.00	2
3	11040.00	8564.00	3
5	-3750.00	14530.00	5
6	-4398.00	10250.00	6
7	-5047.00	11160.00	7
8	-9848.00	13880.00	8
9	11560.00	8564.00	9
10	15060.00	8434.00	10
11	14290.00	9212.00	11
12	12470.00	9731.00	12
13	12470.00	11290.00	13
15	24660.00	8434.00	15
16	27390.00	7525.00	16
17	35560.00	6358.00	17
18	24020.00	7785.00	18
19	13.50	9991.00	19
20	4554.00	12200.00	20
21	16360.00	16740.00	21
22	5852.00	12460.00	22
23	6501.00	15440.00	23
24	6890.00	10380.00	24
25	9485.00	15830.00	25
26	8966.00	14530.00	26
27	15970.00	12200.00	27
28	18310.00	17130.00	28
29	8317.00	16480.00	29
30	10130.00	19850.00	30
31	-5566.00	16350.00	31
32	-12180.00	18290.00	32
33	-14130.00	18680.00	33
34	-3360.00	14660.00	34
35	-4139.00	15180.00	35
36	3646.00	9990.00	36
37	13900.00	17910.00	37
38	1700.00	12200.00	38
39	9355.00	14140.00	39
40	3257.00	10900.00	40
41	2219.00	16090.00	41
42	1441.00	14530.00	42
43	-1544.00	11030.00	43
44	-6734.00	20370.00	44
45	-6085.00	12200.00	45
46	52950.00	6617.00	46
47	52950.00	7915.00	47
48	52690.00	7915.00	48
49	50350.00	7655.00	49
50	56710.00	9339.00	50

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 119
TBGW 24300 TOCG 13.2 FWD FLIGHT DATE 08/05/77

EVENT	41860SDY	41860ALT	EVENT
51	46980.00	10250.00	51
52	2349.00	17780.00	52

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TGW 24300 TCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	4.91	3.80	9.13	1.11	13.80	.48	2
3	5.12	7.10	12.39	-1.98	13.50	1.13	3
4	5.29	8.02	13.47	-2.73	13.80	1.00	4
5	5.21	7.27	12.47	-2.06	13.80	.92	5
6	5.67	7.56	13.22	-1.89	12.76	1.00	6
7	5.37	7.52	12.89	-2.14	13.41	.96	7
8	5.33	7.14	12.56	-1.81	13.37	.92	8
9	5.16	7.81	12.97	-2.64	12.89	.96	9
10	5.12	8.02	13.14	-2.89	10.71	.96	10
11	5.21	8.10	13.31	-2.89	10.36	.96	11
12	5.21	5.18	10.38	.03	10.67	.83	12
13	5.54	5.85	11.39	-.30	11.93	.96	13
14	5.37	5.85	11.22	-.47	11.93	.87	14
15	5.04	4.34	9.38	.70	10.71	.87	15
16	5.00	3.97	8.97	1.03	10.71	.78	16
17	5.21	4.09	9.30	.95	11.41	.87	17
18	4.96	4.43	9.47	.53	11.45	.92	18
19	5.12	5.26	10.72	-.14	11.67	.96	19
20	5.16	5.39	10.64	-.22	11.76	.96	20
21	4.96	5.60	10.80	-.64	12.28	1.39	21
22	5.21	5.93	11.30	-.72	10.93	1.18	22
23	4.75	6.31	11.14	-1.72	12.15	1.44	23
24	5.52	6.22	11.80	-.72	9.97	1.00	24
25	5.54	7.68	13.22	-2.14	12.32	1.35	25
26	5.63	7.02	12.64	-1.39	12.10	2.01	26
28	5.21	4.09	9.38	1.11	11.49	.70	28
29	5.16	5.05	10.22	.11	11.36	.83	29
30	4.83	6.72	11.55	-1.89	12.24	1.87	30
31	5.16	5.80	10.97	-.64	11.28	1.44	31
32	4.96	6.35	11.64	-1.39	11.89	1.96	32
33	5.33	5.39	10.72	-.05	11.63	1.35	33
34	5.25	4.72	10.47	.53	11.23	1.13	34
35	4.91	5.05	9.97	-.14	10.01	1.31	35
36	5.46	5.60	11.05	-.14	11.89	1.44	36
37	5.50	5.80	11.30	-.30	11.45	1.26	37
38	4.71	3.67	8.38	1.03	8.92	.65	38
39	4.66	2.63	7.30	1.78	7.01	.48	39
40	4.75	2.71	7.80	2.03	6.48	.57	40
41	5.71	4.93	10.64	.78	10.14	1.00	41
42	4.79	4.76	9.55	.03	5.52	.65	42
43	4.96	4.59	9.55	.36	5.39	.70	43
44	5.83	3.97	9.80	-.14	5.05	.87	44
45	4.41	2.55	7.04	1.78	5.44	.48	45
46	5.08	3.80	9.72	.61	4.65	.92	46
47	4.45	4.09	8.55	.28	5.48	.52	47
48	4.33	4.55	9.05	-.22	5.26	.57	48
49	4.41	3.22	8.72	.61	5.09	.65	49

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121

TBGM 24300 TBCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
50	6.21	4.59	10.80	1.28	4.91	.92	50
51	5.54	5.76	11.30	-.47	5.05	.70	51
52	4.66	6.56	11.39	-1.89	5.09	.92	52
53	6.21	6.26	13.31	-1.22	4.13	1.18	53
54	6.79	7.10	13.98	-.56	5.57	1.13	54
56	5.21	7.43	12.64	-2.31	10.23	.83	56
57	5.25	7.56	12.89	-2.31	10.84	.83	57
59	4.87	7.85	12.72	-2.98	12.98	1.05	59
60	4.66	7.47	12.22	-2.81	13.06	1.05	60
61	5.00	7.47	12.47	-2.56	14.37	1.13	61
62	4.83	7.56	12.47	-2.73	14.94	1.26	62
63	6.17	7.98	14.14	-2.06	7.75	1.31	63
64	4.83	8.23	13.06	-3.40	12.50	1.35	64

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TAGW 24300 TBCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
2	-78.50	4155.00	3869.00	14820.00	2
3	1784.00	7450.00	4710.00	26430.00	3
4	494.50	3296.00	8077.00	9933.00	4
5	1498.00	2866.00	7067.00	10940.00	5
6	1354.00	3009.00	7067.00	10940.00	6
7	1211.00	2866.00	8583.00	10100.00	7
8	781.00	2436.00	5720.00	10270.00	8
9	1068.00	2436.00	8414.00	10270.00	9
10	781.00	2436.00	5552.00	9428.00	10
11	781.00	3009.00	6562.00	11450.00	11
12	-221.50	6591.00	5720.00	20370.00	12
13	494.50	4728.00	6562.00	18520.00	13
14	1497.00	3725.00	8919.00	15150.00	14
15	1355.00	5588.00	4710.00	19020.00	15
16	-79.00	5301.00	4373.00	19360.00	16
17	781.00	5014.00	4711.00	18690.00	17
18	781.00	5301.00	3363.00	21380.00	18
19	1068.00	5874.00	4037.00	22390.00	19
20	781.50	5588.00	2521.00	22220.00	20
21	64.50	5445.00	2522.00	24240.00	21
22	494.50	5301.00	3195.00	21890.00	22
23	2071.00	5445.00	6057.00	21040.00	23
24	351.50	6591.00	1343.00	30140.00	24
25	-78.50	6448.00	333.00	31150.00	25
26	-365.50	6161.00	333.00	28790.00	26
28	781.00	3868.00	5720.00	15660.00	28
29	638.00	4871.00	3363.00	18010.00	29
30	-2658.00	7594.00	2690.00	21040.00	30
31	-795.00	5444.00	1848.00	20200.00	31
32	-1225.00	7880.00	4878.00	22220.00	32
33	1211.00	7737.00	6730.00	27440.00	33
34	1641.00	7594.00	8077.00	27110.00	34
35	1784.00	5731.00	5552.00	19870.00	35
36	494.50	5875.00	837.50	23910.00	36
37	-1082.00	6018.00	4037.00	22730.00	37
38	2500.00	5301.00	6057.00	12630.00	38
39	2071.00	3439.00	4374.00	10610.00	39
40	2357.00	4012.00	7067.00	11620.00	40
41	1498.00	5445.00	4205.00	20540.00	41
42	2500.00	4155.00	6226.00	12120.00	42
43	2500.00	4728.00	7572.00	12800.00	43
44	1641.00	5588.00	6562.00	16160.00	44
45	1498.00	4012.00	4542.00	10100.00	45
46	2500.00	5874.00	5384.00	17680.00	46
47	1641.00	4155.00	3869.00	11110.00	47
48	1498.00	4585.00	7404.00	11280.00	48
49	2787.00	4728.00	7741.00	12630.00	49

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TGW 24300 TBCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
50	1354.00	7593.00	3700.00	26100.00	50
51	2500.00	4728.00	7404.00	11950.00	51
52	1784.00	5158.00	3027.00	14310.00	52
53	1927.00	5301.00	5552.00	14140.00	53
54	2644.00	4585.00	7909.00	12120.00	54
56	1784.00	2579.00	5384.00	9260.00	56
57	2214.00	2722.00	7067.00	8923.00	57
59	1927.00	2149.00	8246.00	8082.00	59
60	1641.00	2436.00	7909.00	8418.00	60
61	1784.00	2579.00	9424.00	9596.00	61
62	2214.00	2722.00	9088.00	9597.00	62
63	3503.00	5158.00	8077.00	12630.00	63
64	637.50	7737.00	4205.00	30980.00	64

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TOWW 24300 TOWG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	2872.00	4566.00	1984.00	2985.00	-4095.00	3994.00	2
3	4098.00	9174.00	2711.00	6545.00	-3638.00	8530.00	3
4	4224.00	3297.00	3400.00	4478.00	-5302.00	4119.00	4
5	2702.00	3974.00	2711.00	3865.00	-5301.00	3537.00	5
6	2914.00	3931.00	2826.00	4057.00	-5426.00	4161.00	6
7	3252.00	3593.00	2940.00	3866.00	-5468.00	3620.00	7
8	2153.00	4016.00	2673.00	3674.00	-5343.00	3828.00	8
9	3590.00	3001.00	2902.00	3828.00	-4885.00	3870.00	9
10	2702.00	3805.00	2443.00	3751.00	-3554.00	5284.00	10
11	2871.00	3974.00	2251.00	4325.00	-2972.00	5784.00	11
12	3125.00	6426.00	2366.00	6354.00	-4137.00	9445.00	12
13	3674.00	6468.00	3170.00	6239.00	-4303.00	8197.00	13
14	3379.00	5664.00	3017.00	5397.00	-4553.00	6948.00	14
15	2702.00	5665.00	2022.00	5932.00	-4927.00	9486.00	15
16	1730.00	5876.00	1639.00	6469.00	-4969.00	8696.00	16
17	1941.00	6341.00	1907.00	6507.00	-5551.00	9195.00	17
18	1307.00	6468.00	1716.00	6163.00	-5509.00	8488.00	18
19	3209.00	6933.00	2519.00	6354.00	-4511.00	10320.00	19
20	2914.00	7145.00	2366.00	6813.00	-4719.00	10280.00	20
21	3632.00	7271.00	1983.00	6660.00	-6300.00	10360.00	21
22	2575.00	7567.00	2251.00	6545.00	-3055.00	9029.00	22
23	2914.00	7314.00	2634.00	7464.00	-3846.00	9903.00	23
24	2576.00	9343.00	720.00	7923.00	-7549.00	12860.00	24
25	1772.00	9216.00	1257.00	7694.00	-6509.00	11980.00	25
26	3083.00	8498.00	2175.00	6928.00	-7008.00	11820.00	26
28	3083.00	5199.00	2711.00	4861.00	-4012.00	6824.00	28
29	3125.00	6003.00	2252.00	5856.00	-4886.00	9112.00	29
30	1645.00	7821.00	3514.00	6813.00	-6425.00	9320.00	30
31	3252.00	6468.00	3208.00	6277.00	-5177.00	7572.00	31
32	3209.00	7694.00	3094.00	7157.00	-4886.00	11860.00	32
33	3421.00	8075.00	1371.00	7655.00	-6550.00	12360.00	33
34	3210.00	8117.00	1869.00	7924.00	-5884.00	12360.00	34
35	1646.00	5792.00	1486.00	6775.00	-6508.00	9070.00	35
36	2491.00	7737.00	2558.00	6775.00	-4553.00	10360.00	36
37	1688.00	6680.00	2405.00	7388.00	-7465.00	9528.00	37
38	3167.00	4185.00	2098.00	5014.00	-4511.00	5659.00	38
39	2533.00	4227.00	1142.00	5512.00	-5010.00	3579.00	39
40	2407.00	4101.00	988.50	5512.00	-5759.00	4078.00	40
41	2914.00	6637.00	1409.00	5703.00	-5468.00	10530.00	41
42	3083.00	4777.00	1141.00	5435.00	-6550.00	4868.00	42
43	1138.00	4608.00	1371.00	5588.00	-7090.00	4827.00	43
44	1941.00	6257.00	1295.00	5818.00	-8380.00	6782.00	44
45	1984.00	4269.00	528.50	5206.00	-5468.00	3370.00	45
46	1772.00	6426.00	1486.00	5856.00	-7465.00	6449.00	46
47	2491.00	4354.00	1218.00	4976.00	-5010.00	3579.00	47
48	1392.00	4523.00	529.00	5435.00	-4969.00	4036.00	48
49	3252.00	4946.00	1563.00	5626.00	-7714.00	5118.00	49

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121

TGW 24300 TBCG 13.4 FWD FLIGHT DATE 08/08/77

EVFNT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
50	2195.00	8540.00	643.50	6622.00	-7923.00	10070.00	50
51	1815.00	5284.00	1027.00	4478.00	-6633.00	4452.00	51
52	884.50	5116.00	31.50	4249.00	-6300.00	4702.00	52
53	2237.00	6045.00	1371.00	5435.00	-7049.00	4119.00	53
54	2956.00	5918.00	1830.00	5435.00	-7007.00	4244.00	54
56	3548.00	3635.00	2558.00	4172.00	-3346.00	4910.00	56
57	3675.00	4185.00	2864.00	5167.00	-3762.00	4827.00	57
59	3928.00	4439.00	2826.00	5664.00	-4844.00	3828.00	59
60	3928.00	4777.00	2787.00	5856.00	-4428.00	3994.00	60
61	3844.00	5453.00	2137.00	6431.00	-5135.00	4951.00	61
62	3844.00	5622.00	2481.00	6392.00	-4636.00	5034.00	62
63	2406.00	5707.00	1371.00	5435.00	-3512.00	5825.00	63
64	1138.00	9766.00	2749.00	7808.00	-2806.00	9861.00	64

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121

TGW 24300 TCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-6274.00	3700.00	-5620.00	12010.00	34750.00	13700.00	2
3	-4460.00	6809.00	-4898.00	17780.00	37520.00	20260.00	3
4	-6523.00	4446.00	-3543.00	13000.00	38540.00	13990.00	4
5	-5652.00	4135.00	-3544.00	13180.00	39560.00	14720.00	5
6	-5186.00	4104.00	-2189.00	14170.00	42480.00	15880.00	6
7	-5435.00	4042.00	-3092.00	13270.00	41750.00	14860.00	7
8	-6087.00	3638.00	-2460.00	13540.00	43060.00	15010.00	8
9	-5435.00	4104.00	-3634.00	12550.00	43500.00	14860.00	9
10	-4751.00	4726.00	-3092.00	13450.00	44520.00	14140.00	10
11	-3725.00	5689.00	-3092.00	13810.00	44080.00	13990.00	11
12	-4471.00	8550.00	-1467.00	15080.00	43060.00	15880.00	12
13	-5217.00	8052.00	-2279.00	17510.00	41890.00	19960.00	13
14	-5310.00	6156.00	-3724.00	17150.00	41600.00	20550.00	14
15	-5155.00	8674.00	-3092.00	14530.00	42910.00	16900.00	15
16	-5621.00	8581.00	-835.00	13720.00	43350.00	16180.00	16
17	-5808.00	8767.00	-2460.00	14440.00	45250.00	16610.00	17
18	-5901.00	8550.00	-3182.00	15170.00	43210.00	17200.00	18
19	-5279.00	8923.00	158.00	16520.00	43350.00	18510.00	19
20	-5652.00	8861.00	-2099.00	15710.00	42620.00	18360.00	20
21	-2637.00	8767.00	1693.00	16790.00	45970.00	17050.00	21
22	-4223.00	9794.00	1693.00	17150.00	43350.00	17630.00	22
23	-2544.00	9048.00	-3182.00	19860.00	42480.00	20260.00	23
24	-5933.00	11570.00	1512.00	20220.00	46990.00	21860.00	24
25	-5963.00	10420.00	2596.00	23110.00	45970.00	24040.00	25
26	-5187.00	10940.00	2776.00	20580.00	48160.00	24770.00	26
28	-4751.00	5534.00	700.00	12910.00	45970.00	16180.00	28
29	-4999.00	7773.00	-202.50	15440.00	42770.00	16180.00	29
30	-5341.00	7928.00	-293.50	22030.00	45240.00	23890.00	30
31	-4502.00	6280.00	158.00	18330.00	43350.00	19380.00	31
32	-1549.00	12780.00	-293.50	24190.00	44800.00	25790.00	32
33	-7207.00	12280.00	-1196.00	17150.00	45100.00	17630.00	33
34	-4306.00	12190.00	-925.50	15800.00	43350.00	19380.00	34
35	-6212.00	8550.00	-925.00	15980.00	44080.00	17490.00	35
36	-8513.00	9669.00	-293.00	18960.00	43790.00	18940.00	36
37	-8015.00	9856.00	-835.00	18960.00	43790.00	19530.00	37
38	-3725.00	6000.00	-203.00	12910.00	44370.00	15450.00	38
39	-3942.00	4229.00	-1828.00	12370.00	44230.00	15010.00	39
40	-4844.00	4508.00	-1015.00	13360.00	43500.00	15740.00	40
41	-6056.00	9265.00	-925.00	16340.00	43500.00	18360.00	41
42	-4595.00	5628.00	-203.00	12730.00	48310.00	16470.00	42
43	-4844.00	5690.00	700.00	13990.00	47720.00	17050.00	43
44	-8326.00	6622.00	1964.00	16880.00	48890.00	19960.00	44
45	-3911.00	3762.00	519.50	11280.00	46270.00	14720.00	45
46	-8108.00	6032.00	3589.00	15440.00	50200.00	19820.00	46
47	-3445.00	4477.00	-383.50	11280.00	49330.00	13990.00	47
48	-4098.00	4632.00	700.00	12730.00	47580.00	16030.00	48
49	-6461.00	4881.00	1603.00	13270.00	48890.00	18220.00	49

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TCGW 24300 TBCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
50	-8202.00	8239.00	-744.50	18690.00	51220.00	22880.00	50
51	-6523.00	5627.00	-1106.00	14720.00	43790.00	18940.00	51
52	-5341.00	4944.00	-1016.00	14080.00	41750.00	17780.00	52
53	-6616.00	4166.00	-1648.00	16340.00	42480.00	22000.00	53
54	-5590.00	3887.00	2144.00	16340.00	43780.00	22730.00	54
56	-4160.00	4508.00	-2099.00	12460.00	38690.00	13260.00	56
57	-5062.00	4539.00	-383.50	12730.00	39420.00	13410.00	57
59	-4937.00	4166.00	-3002.00	16430.00	39130.00	18360.00	59
60	-5808.00	4104.00	-3363.00	16250.00	39130.00	18360.00	60
61	-5932.00	4850.00	-4266.00	18600.00	37520.00	21420.00	61
62	-6274.00	4819.00	-5078.00	17970.00	37670.00	21570.00	62
63	-3818.00	5907.00	1513.00	15530.00	42770.00	19090.00	63
64	-3197.00	11500.00	-7516.00	21670.00	35770.00	24340.00	64

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TORGW 24300 TBCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	41780SDY	41780ALT	41790SDY	41790ALT	EVENT
2	29080.00	17370.00	309.40	1523.00	2
3	37030.00	22730.00	431.20	1889.00	3
4	32000.00	15750.00	-269.40	1736.00	4
5	34110.00	15580.00	-360.80	1036.00	5
6	35410.00	16560.00	4.75	1645.00	6
7	36220.00	16070.00	-421.80	1036.00	7
8	37520.00	15420.00	-330.30	1005.00	8
9	37850.00	15750.00	-421.70	1158.00	9
10	37850.00	16400.00	-269.40	1432.00	10
11	36710.00	15580.00	-391.30	1493.00	11
12	37200.00	16400.00	-635.00	1980.00	12
13	36550.00	19970.00	-665.50	2437.00	13
14	36060.00	18510.00	-726.40	2315.00	14
15	34760.00	17860.00	-452.20	1858.00	15
16	35900.00	15420.00	-513.10	1858.00	16
17	37360.00	15910.00	-360.80	1767.00	17
18	37680.00	17530.00	-330.30	1493.00	18
19	36060.00	19480.00	-604.50	2315.00	19
20	38170.00	18670.00	-574.00	2224.00	20
21	36220.00	18020.00	-543.60	2924.00	21
22	37520.00	18020.00	-360.80	2742.00	22
23	37520.00	22890.00	-1976.00	3564.00	23
24	38660.00	24030.00	-2128.00	5057.00	24
25	39140.00	26140.00	-2403.00	6611.00	25
26	42060.00	24830.00	-1153.00	3900.00	26
28	38330.00	16230.00	-513.20	1919.00	28
29	37030.00	16560.00	-482.70	1950.00	29
30	38010.00	24030.00	-1001.00	3199.00	30
31	39310.00	19480.00	-1305.00	2772.00	31
32	37360.00	22400.00	-695.90	3320.00	32
33	35570.00	18670.00	-665.40	2376.00	33
34	32650.00	20940.00	-848.20	2437.00	34
35	35250.00	17370.00	-482.70	2132.00	35
36	33950.00	20620.00	-1214.00	2925.00	36
37	33790.00	19480.00	-1793.00	2955.00	37
38	36550.00	14120.00	-726.40	1645.00	38
39	36710.00	15260.00	-909.20	1828.00	39
40	36060.00	14610.00	-787.30	1828.00	40
41	35570.00	19970.00	-604.50	2254.00	41
42	39470.00	17050.00	-1061.00	1980.00	42
43	38820.00	16720.00	-848.20	2071.00	43
44	41250.00	21430.00	-1640.00	2376.00	44
45	38170.00	13800.00	-1122.00	1797.00	45
46	37360.00	19160.00	-1518.00	2376.00	46
47	39790.00	13800.00	-970.10	1950.00	47
48	38820.00	15420.00	-1031.00	2011.00	48
49	38980.00	18180.00	-1549.00	2102.00	49

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121

TSGW 24300 TBCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	EVENT
50	36380.00	24030.00	-2920.00	5240.00	50
51	33630.00	19970.00	-1275.00	1767.00	51
52	33460.00	18830.00	-482.70	1645.00	52
53	35570.00	24510.00	-1793.00	2041.00	53
54	33790.00	25000.00	-2128.00	2254.00	54
56	32650.00	14770.00	-909.10	1584.00	56
57	31350.00	14120.00	-1061.00	1797.00	57
59	32650.00	18020.00	-1001.00	2346.00	59
60	32160.00	19480.00	-1061.00	2589.00	60
61	32330.00	22890.00	-1366.00	2955.00	61
62	32330.00	24190.00	-1183.00	3138.00	62
63	34600.00	20620.00	-1061.00	1980.00	63
64	29570.00	29870.00	-574.10	2102.00	64

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TBGW 24300 TBCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-489.10	468.00	1116.00	423.80	993.70	246.40	2
3	-408.10	945.10	870.40	773.20	1009.00	530.10	3
4	-525.10	774.00	863.00	319.70	1068.00	291.20	4
5	-381.10	792.00	952.20	260.20	1038.00	231.50	5
6	-399.10	810.00	952.20	275.10	1068.00	246.40	6
7	-444.10	801.00	937.30	230.50	1068.00	231.50	7
8	-408.10	765.00	967.10	290.00	1068.00	231.50	8
9	-489.10	702.00	922.50	215.60	1046.00	253.90	9
10	-444.10	801.00	989.40	267.70	971.30	328.50	10
11	-363.10	900.00	989.40	282.50	926.50	373.30	11
12	-894.20	1485.00	929.90	475.80	1001.00	612.30	12
13	-633.10	1458.00	922.50	468.40	986.20	537.60	13
14	-687.10	1440.00	848.20	379.20	1009.00	470.40	14
15	-732.10	1269.00	996.80	468.40	1031.00	597.30	15
16	-561.10	1224.00	1004.00	505.50	1061.00	552.60	16
17	-327.10	1296.00	1027.00	513.00	1106.00	582.40	17
18	-543.10	1260.00	1041.00	602.20	1061.00	522.70	18
19	-1047.00	1530.00	967.10	542.70	1009.00	649.60	19
20	-696.10	1485.00	929.90	565.00	1098.00	649.60	20
21	-129.10	1566.00	1012.00	587.30	1143.00	664.50	21
22	-642.10	1341.00	982.00	542.70	896.60	582.40	22
23	-543.10	1494.00	1108.00	624.50	1001.00	612.30	23
24	-471.10	2970.00	982.00	736.00	1165.00	851.20	24
25	-268.90	4136.00	1004.00	713.70	948.90	739.20	25
26	-390.10	3285.00	1034.00	669.10	1046.00	746.70	26
28	-597.10	1062.00	937.30	394.00	978.70	440.50	28
29	-489.10	1080.00	1257.00	654.30	1031.00	567.50	29
30	-354.10	1791.00	1153.00	639.30	1128.00	619.80	30
31	-381.10	1620.00	974.60	460.90	1046.00	477.90	31
32	-687.10	2322.00	1079.00	654.30	1016.00	731.80	32
33	-903.10	1926.00	915.10	698.90	1158.00	784.00	33
34	-678.10	1719.00	907.60	706.30	1091.00	776.50	34
35	-876.10	1467.00	1034.00	505.60	1128.00	545.10	35
36	-597.10	2232.00	1027.00	661.70	1180.00	642.20	36
37	-1038.00	2133.00	1027.00	602.20	1016.00	612.30	37
38	-480.10	981.10	1004.00	267.70	1024.00	365.90	38
39	-363.10	792.00	974.50	252.80	1076.00	224.00	39
40	-399.10	756.00	974.50	297.40	1098.00	246.40	40
41	-732.10	1485.00	929.90	535.30	1068.00	679.50	41
42	-246.10	981.10	1138.00	297.40	1255.00	298.70	42
43	-183.10	900.10	1041.00	319.70	1248.00	306.10	43
44	-48.09	1611.00	1205.00	408.90	1397.00	410.70	44
45	-426.10	693.00	1056.00	289.90	1151.00	209.10	45
46	-471.10	1062.00	1175.00	453.50	1382.00	365.90	46
47	-345.10	900.00	1198.00	267.70	1188.00	231.50	47
48	-399.10	900.00	1138.00	282.50	1113.00	246.40	48
49	-345.10	1080.00	1146.00	319.70	1307.00	321.10	49

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AIRCRAFT SLP1 FLIGHT 121
T8GW 24300 T8CG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
50	-102.10	2529.00	1116.00	661.70	1307.00	604.80	50
51	-444.10	747.00	1146.00	319.70	1240.00	328.50	51
52	-318.10	729.00	1116.00	394.00	1143.00	306.10	52
53	-552.10	909.10	1116.00	394.00	1225.00	268.80	53
54	-552.10	1071.00	1079.00	356.90	1262.00	246.40	54
56	-390.10	783.00	1056.00	304.80	948.90	306.10	56
57	-462.10	891.10	952.20	215.60	956.30	313.60	57
59	-633.10	1062.00	818.40	230.50	1024.00	261.30	59
60	-570.10	1161.00	848.20	245.30	1016.00	283.80	60
61	-696.10	1305.00	892.80	304.80	1016.00	328.50	61
62	-651.10	1350.00	1242.00	639.40	1016.00	343.50	62
63	-318.10	909.00	922.50	304.80	963.80	365.90	63
64	-210.10	1071.00	937.30	855.00	911.50	612.30	64

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121

TBW 24300 TBCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	41860SDY	41860ALT	EVENT
2	-3181.00	9721.00	2
3	-1107.00	13610.00	3
4	-7976.00	10890.00	4
5	-3828.00	8295.00	5
6	-847.00	9202.00	6
7	-1625.00	8943.00	7
8	-458.50	8814.00	8
9	1486.00	8943.00	9
10	16390.00	8814.00	10
11	18980.00	8814.00	11
12	16650.00	9073.00	12
13	7707.00	10500.00	13
14	9003.00	9980.00	14
15	16260.00	9202.00	15
16	17430.00	9591.00	16
17	11730.00	10890.00	17
18	11720.00	11920.00	18
19	10170.00	10110.00	19
20	10040.00	9980.00	20
21	20020.00	12180.00	21
22	15870.00	10110.00	22
23	6541.00	11920.00	23
24	23130.00	12180.00	24
25	7966.00	13610.00	25
26	8744.00	15680.00	26
28	12890.00	8165.00	28
29	11470.00	9332.00	29
30	8744.00	16200.00	30
31	13280.00	12700.00	31
32	10950.00	16330.00	32
33	11210.00	12700.00	33
34	13410.00	11790.00	34
35	23260.00	11280.00	35
36	10430.00	12960.00	36
37	5893.00	12050.00	37
38	29610.00	8295.00	38
39	41790.00	5962.00	39
40	45550.00	6092.00	40
41	7448.00	9721.00	41
42	57090.00	7517.00	42
43	56050.00	8036.00	43
44	57470.00	8676.00	44
45	56440.00	6092.00	45
46	54880.00	9462.00	46
47	54110.00	6869.00	47
48	57740.00	6610.00	48
49	56830.00	7777.00	49

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 121
TGW 24300 TCG 13.4 FWD FLIGHT DATE 08/08/77

EVENT	41860SDY	41860ALT	EVENT
50	52680.00	11150.00	50
51	57470.00	8676.00	51
52	56820.00	9324.00	52
53	54240.00	9591.00	53
54	54880.00	9721.00	54
56	19760.00	7517.00	56
57	15740.00	8166.00	57
59	2523.00	10500.00	59
60	-1884.00	10760.00	60
61	-7328.00	12310.00	61
62	-8624.00	12310.00	62
63	32070.00	9721.00	63
64	4078.00	15420.00	64

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122
TCGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT
2	3.95	2.83	6.78	.95	11.29	.31
3	3.45	4.49	7.94	-1.04	12.08	.57
4	3.95	4.99	8.94	-1.04	10.07	.66
5	3.74	4.04	7.78	-.29	10.37	.52
6	3.74	2.45	6.36	1.29	9.67	.35
7	3.87	3.24	7.11	.62	9.24	.35
8	3.78	2.66	6.45	1.12	9.54	.31
9	3.91	4.04	8.03	-.13	12.56	.61
10	3.87	4.24	8.11	-.38	11.11	.48
11	3.74	6.78	10.86	-3.04	10.24	.92
12	3.62	6.49	10.11	-2.37	9.72	.92
13	3.53	6.66	10.27	-3.12	10.28	.96
14	3.37	6.49	9.94	-3.12	9.63	.83
15	3.62	6.49	10.11	-2.87	9.89	.92
16	3.66	5.87	9.61	-2.38	9.72	.74
17	3.16	6.95	10.77	-3.79	9.72	.92
18	4.16	3.04	7.19	.95	11.73	.31
19	3.95	2.83	6.94	1.04	11.60	.26
20	3.91	3.29	7.28	.62	11.73	.31
21	4.07	3.70	7.78	.37	12.25	.39
22	4.41	3.12	7.53	.95	13.04	.39
23	4.03	3.33	7.53	.70	12.95	.31
24	3.87	7.90	12.02	-4.04	13.82	1.18
25	3.53	7.07	10.77	-3.54	9.67	.96
26	3.74	8.45	12.19	-5.12	10.37	1.31
27	3.62	7.82	11.69	-4.20	9.59	1.14
28	3.62	5.41	9.11	-1.96	6.66	.48
29	3.37	4.66	8.03	-1.88	10.33	.74
30	3.41	4.37	8.53	-1.79	10.98	.96
31	3.62	3.41	7.28	.20	11.55	.31
32	3.66	6.86	10.61	-3.62	10.63	.87
33	4.12	7.16	11.27	-3.04	11.64	.57
34	2.95	6.24	9.19	-3.29	11.33	.87
35	3.03	6.32	11.02	-3.29	11.46	.83
36	4.34	4.74	9.19	-.38	13.43	1.92
37	5.36	4.33	9.69	-1.13	12.21	3.15
38	4.28	9.99	14.35	-5.79	12.51	.74
39	5.20	11.32	16.51	-6.20	10.81	1.31
40	1.83	4.87	6.70	-3.04	8.54	.17
41	1.12	3.91	5.03	-2.79	7.84	.17
42	1.12	6.82	7.94	-5.70	8.01	.26
43	1.29	5.49	6.78	-4.79	7.79	.22
44	2.16	8.11	10.27	-5.95	7.88	.31
45	1.16	3.20	4.45	-2.13	8.10	.17

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
2	1001.00	3295.00	1641.00	13600.00	2
3	2290.00	5157.00	5335.00	18300.00	3
4	857.50	6017.00	-541.50	22830.00	4
5	2434.00	4728.00	3655.00	17960.00	5
6	1574.00	4154.00	3320.00	17290.00	6
7	1145.00	4298.00	1641.00	18300.00	7
8	1861.00	3868.00	1305.00	16620.00	8
9	3007.00	5301.00	1473.00	20820.00	9
10	571.50	3725.00	3152.00	14100.00	10
11	3437.00	4298.00	9196.00	18800.00	11
12	1431.00	3438.00	2649.00	12590.00	12
13	1574.00	3295.00	2145.00	11420.00	13
14	1288.00	3295.00	2313.00	12260.00	14
15	1574.00	3581.00	801.50	12420.00	15
16	284.50	3725.00	3824.00	13100.00	16
17	1001.00	4441.00	4999.00	16960.00	17
18	1144.00	2865.00	1977.00	11250.00	18
19	2004.00	3152.00	2480.00	13430.00	19
20	1431.00	4011.00	1305.00	14610.00	20
21	3293.00	5300.00	10370.00	20310.00	21
22	1431.00	6017.00	3152.00	20820.00	22
23	1861.00	4728.00	8189.00	18800.00	23
24	-2724.00	6160.00	466.00	16450.00	24
25	1002.00	7879.00	-206.00	30890.00	25
26	571.50	8595.00	3824.00	36940.00	26
27	-1.50	6876.00	4495.00	25180.00	27
28	714.50	5014.00	-374.00	16290.00	28
29	1574.00	2722.00	2816.00	8394.00	29
30	858.00	3438.00	465.50	13100.00	30
31	1288.00	3009.00	5503.00	11420.00	31
32	1001.00	3295.00	1137.00	13100.00	32
33	1288.00	3582.00	-709.50	13260.00	33
34	1717.00	2865.00	1138.00	11420.00	34
35	571.50	3152.00	1641.00	10910.00	35
36	428.00	3581.00	-709.50	12590.00	36
37	285.00	3438.00	-877.50	14100.00	37
38	2000.00	5000.00	1138.00	21490.00	38
39	2000.00	2000.00	-6082.00	29380.00	39
40	858.00	2865.00	-1045.00	7555.00	40
41	1001.00	3008.00	-38.00	8562.00	41
42	-4872.00	8308.00	-1885.00	7387.00	42
43	857.50	3152.00	-541.50	9402.00	43
44	2000.00	2500.00	-7089.00	19640.00	44
45	1001.00	3295.00	-1717.00	10580.00	45

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 122
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	528.00	4686.00	2876.00	4128.00	-4157.00	5868.00	2
3	1879.00	6374.00	3679.00	4855.00	-2701.00	6492.00	3
4	2808.00	6712.00	3526.00	5466.00	-2951.00	7740.00	4
5	1963.00	4939.00	276.00	6269.00	-3741.00	7782.00	5
6	1583.00	5319.00	85.00	7148.00	-4074.00	8115.00	6
7	444.00	5530.00	-526.50	6996.00	-5073.00	8698.00	7
8	359.00	4686.00	-870.50	6499.00	-3700.00	7907.00	8
9	2343.00	6332.00	1423.00	7722.00	-4033.00	8656.00	9
10	1584.00	5656.00	3182.00	3517.00	-2327.00	3537.00	10
11	5045.00	5488.00	4443.00	6307.00	-2201.00	6076.00	11
12	2132.00	5277.00	1920.00	4014.00	-1661.00	6450.00	12
13	1964.00	4686.00	2188.00	3822.00	-1952.00	5909.00	13
14	2048.00	4770.00	1920.00	3937.00	-2160.00	5701.00	14
15	1668.00	4137.00	1156.00	3937.00	-2826.00	4869.00	15
16	1837.00	3968.00	887.90	4128.00	-2626.00	4786.00	16
17	3399.00	5445.00	2379.00	5925.00	-3118.00	7408.00	17
18	2090.00	2786.00	1844.00	3096.00	-2909.00	3787.00	18
19	2470.00	3588.00	2761.00	3478.00	-3159.00	3870.00	19
20	2850.00	3968.00	2685.00	3861.00	-2243.00	5036.00	20
21	5552.00	5487.00	3487.00	5581.00	-2286.00	6742.00	21
22	4918.00	5277.00	3984.00	6154.00	-1536.00	8905.00	22
23	4918.00	5530.00	3105.00	5352.00	-2036.00	7657.00	23
24	612.50	5446.00	2952.00	4740.00	-4366.00	5410.00	24
25	-1034.00	9371.00	199.50	8487.00	-2576.00	10450.00	25
26	1499.00	10980.00	2684.00	9136.00	-2202.00	11490.00	26
27	1583.00	8527.00	-794.50	6499.00	-2244.00	10450.00	27
28	-316.00	5361.00	-641.50	5123.00	-2867.00	4245.00	28
29	1457.00	2912.00	1309.00	2485.00	-3409.00	3454.00	29
30	992.60	4474.00	1194.00	3363.00	-4074.00	3704.00	30
31	1921.00	3462.00	1805.00	2752.00	-2701.00	3829.00	31
32	1499.00	3799.00	1653.00	3134.00	-3658.00	4037.00	32
33	2217.00	3841.00	1882.00	3593.00	-2826.00	4453.00	33
34	2132.00	4179.00	2494.00	2829.00	-2534.00	5327.00	34
35	1964.00	4432.00	1920.00	2332.00	-3159.00	5701.00	35
36	654.70	3883.00	2149.00	2332.00	-2576.00	3870.00	36
37	1541.00	4517.00	1653.00	2829.00	-2784.00	4328.00	37
38	992.70	4643.00	2876.00	4204.00	-1536.00	4328.00	38
39	-147.50	8570.00	-221.00	6613.00	-2243.00	6034.00	39
40	-442.50	2280.00	888.30	2217.00	-1286.00	3163.00	40
41	866.10	2659.00	1844.00	2408.00	-37.50	2747.00	41
42	317.40	2617.00	1347.00	1682.00	-744.90	2289.00	42
43	317.30	3293.00	1691.00	2484.00	-370.40	2913.00	43
44	-443.00	5150.00	1499.00	3211.00	128.50	4245.00	44
45	-104.80	3462.00	1691.00	2179.00	-328.80	3454.00	45

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AIRCRAFT SLP1 FLIGHT 122

TOWW 20800 TOWG 9.7 AFT FLIGHT DATE 08/09/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-3999.00	4824.00	-5624.00	9129.00	35560.00	12070.00	2
3	-5213.00	5353.00	-20.00	11300.00	36870.00	14340.00	3
4	-4684.00	7749.00	-924.00	16180.00	40510.00	19060.00	4
5	-3844.00	7656.00	-653.00	12290.00	38620.00	14550.00	5
6	-3564.00	7998.00	-1286.00	11120.00	39050.00	14400.00	6
7	-4623.00	8994.00	-2009.00	11480.00	38620.00	14260.00	7
8	-4466.00	8216.00	-2009.00	10030.00	39050.00	13240.00	8
9	-4685.00	8310.00	-1738.00	15550.00	36290.00	18620.00	9
10	-4186.00	3766.00	-4901.00	10760.00	38760.00	12950.00	10
11	-4622.00	5695.00	2330.00	17810.00	38330.00	21820.00	11
12	-2475.00	6037.00	-6166.00	13110.00	36000.00	13670.00	12
13	-2848.00	5540.00	-3365.00	12650.00	36870.00	13090.00	13
14	-1914.00	5291.00	-4087.00	12290.00	39490.00	12510.00	14
15	-4342.00	4793.00	-3093.00	11660.00	39630.00	11490.00	15
16	-2910.00	4606.00	-3816.00	11660.00	38910.00	11640.00	16
17	-6241.00	8310.00	-2822.00	12290.00	38180.00	11200.00	17
18	-3937.00	2957.00	-3907.00	8135.00	41820.00	8437.00	18
19	-4249.00	4139.00	-3184.00	8316.00	41090.00	8873.00	19
20	-2008.00	5197.00	-4449.00	8858.00	40220.00	8873.00	20
21	-3937.00	7438.00	-6257.00	11030.00	38620.00	15420.00	21
22	-3502.00	8931.00	-4720.00	10940.00	37600.00	15270.00	22
23	-4342.00	8091.00	-2461.00	11750.00	39200.00	13380.00	23
24	-3813.00	5757.00	-4449.00	13200.00	38910.00	13960.00	24
25	-2102.00	10950.00	-3184.00	15550.00	40220.00	19640.00	25
26	-4591.00	11140.00	-3907.00	21150.00	42400.00	24150.00	26
27	-4218.00	11330.00	-2913.00	14550.00	39490.00	16000.00	27
28	-1292.00	4793.00	-3726.00	10480.00	39490.00	12510.00	28
29	-4000.00	3081.00	-4720.00	9309.00	37450.00	9600.00	29
30	-3595.00	3859.00	-2461.00	8858.00	39340.00	8582.00	30
31	-4840.00	4979.00	-2551.00	8225.00	40510.00	8000.00	31
32	-4218.00	4170.00	-3184.00	11210.00	42400.00	12510.00	32
33	-4311.00	5073.00	-3274.00	10580.00	37740.00	11350.00	33
34	-2506.00	4948.00	-3817.00	10760.00	37740.00	13090.00	34
35	-4124.00	5695.00	-4720.00	10390.00	37740.00	11050.00	35
36	-2879.00	4513.00	70.00	10480.00	43710.00	9455.00	36
37	-4062.00	4637.00	-5262.00	11120.00	38330.00	11640.00	37
38	-4280.00	4668.00	-4268.00	14640.00	38910.00	13670.00	38
39	-3533.00	7220.00	-5715.00	23320.00	38470.00	21960.00	39
40	-887.40	3143.00	-3455.00	4610.00	39780.00	4655.00	40
41	-78.28	2210.00	-3003.00	3977.00	41530.00	6400.00	41
42	730.80	2210.00	-2190.00	6056.00	40800.00	5964.00	42
43	201.80	2676.00	-3184.00	5604.00	40360.00	7273.00	43
44	-47.16	3672.00	-2822.00	7954.00	41960.00	8292.00	44
45	-638.40	2894.00	-3726.00	5062.00	40220.00	8000.00	45

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AIRCRAFT SLP1 FLIGHT 122
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EVENT	61780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	31380.00	13920.00	-221.70	943.90	-1019.00	627.70	2
3	32030.00	18130.00	-495.70	1401.00	-1155.00	1057.00	3
4	33000.00	19100.00	-556.60	1766.00	-1469.00	1538.00	4
5	31870.00	15700.00	-465.30	1736.00	-1239.00	1287.00	5
6	31540.00	16350.00	-617.50	1766.00	-1124.00	1172.00	6
7	31870.00	17320.00	-800.20	1949.00	-851.90	1297.00	7
8	32350.00	15860.00	-617.50	1583.00	-977.40	1067.00	8
9	29440.00	17810.00	-282.60	2040.00	-1208.00	1339.00	9
10	33160.00	16030.00	-130.30	974.30	-987.90	847.30	10
11	33180.00	23960.00	-617.50	1888.00	-1145.00	1193.00	11
12	34130.00	13110.00	-708.80	1553.00	-977.40	1151.00	12
13	36400.00	14080.00	-434.80	1401.00	-820.50	1098.00	13
14	34130.00	12140.00	-617.50	1583.00	-998.30	1088.00	14
15	34620.00	10360.00	-434.80	1401.00	-872.80	1046.00	15
16	34780.00	10200.00	-465.30	1309.00	-998.30	1109.00	16
17	34940.00	14890.00	-221.70	1675.00	-1030.00	1119.00	17
18	37370.00	8580.00	-160.80	1005.00	-1093.00	721.80	18
19	35270.00	8418.00	-69.44	1035.00	-1354.00	920.60	19
20	35430.00	10520.00	-282.60	943.90	-1239.00	910.10	20
21	35270.00	17810.00	-465.30	1370.00	-1124.00	1025.00	21
22	35910.00	18130.00	113.30	1705.00	-1208.00	1109.00	22
23	35590.00	17810.00	-191.20	1462.00	-1061.00	1046.00	23
24	33490.00	13440.00	-1044.00	2010.00	-1720.00	1517.00	24
25	39960.00	26060.00	-130.30	1949.00	-705.40	1611.00	25
26	39150.00	28160.00	82.81	2101.00	-935.60	1946.00	26
27	34130.00	20880.00	-1318.00	2040.00	-1396.00	1548.00	27
28	35910.00	12630.00	-1501.00	2466.00	-1134.00	1140.00	28
29	33320.00	10360.00	-8.53	791.70	-967.00	680.00	29
30	33320.00	12630.00	661.30	1705.00	-1040.00	627.70	30
31	36560.00	10040.00	113.30	974.30	-998.30	857.80	31
32	36080.00	13110.00	-8.53	1096.00	-1030.00	868.30	32
33	31380.00	11660.00	-69.41	1157.00	-1009.00	889.20	33
34	32840.00	12140.00	-130.30	1583.00	-946.00	1287.00	34
35	32190.00	10850.00	143.70	1675.00	-977.40	1025.00	35
36	38020.00	9551.00	-130.30	1096.00	-820.50	742.80	36
37	34780.00	9227.00	-343.40	1431.00	-1093.00	972.90	37
38	35910.00	12300.00	-221.70	1309.00	-1072.00	1245.00	38
39	36240.00	19750.00	-617.50	2070.00	-768.20	1423.00	39
40	36720.00	5989.00	235.10	548.10	-224.20	460.30	40
41	37860.00	8418.00	600.40	669.90	-360.20	554.40	41
42	36560.00	4857.00	356.90	548.10	-360.20	470.70	42
43	37530.00	9389.00	448.20	700.30	-276.50	680.00	43
44	38180.00	7123.00	509.10	822.10	-349.80	690.40	44
45	36560.00	11010.00	265.50	700.30	-454.40	690.40	45

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AIRCRAFT SLP1 FLIGHT 122
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EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-156.50	494.30	1040.00	364.90	983.80	366.00	2
3	-408.20	620.20	1055.00	498.90	946.50	403.40	3
4	-264.30	746.10	1069.00	513.80	901.70	493.00	4
5	-291.30	683.10	1062.00	446.80	961.40	463.10	5
6	-183.40	701.10	1129.00	469.10	983.90	515.40	6
7	-228.30	710.10	1099.00	484.00	983.90	545.30	7
8	-219.40	701.10	1122.00	417.00	968.90	485.60	8
9	-336.30	746.10	1144.00	469.10	1006.00	537.80	9
10	-273.30	503.40	994.90	409.60	894.20	231.60	10
11	-453.10	629.20	838.60	446.80	841.90	388.40	11
12	-39.63	575.30	1047.00	372.30	849.40	395.90	12
13	-264.30	602.20	1032.00	342.50	849.40	366.00	13
14	-228.40	620.20	1084.00	335.10	879.30	351.10	14
15	-219.40	575.30	1055.00	305.30	894.20	306.30	15
16	-201.40	575.30	1017.00	327.70	909.20	291.30	16
17	-255.30	665.20	883.30	417.00	924.10	470.60	17
18	-390.20	458.40	1032.00	268.10	901.70	224.10	18
19	-336.20	476.40	1025.00	335.10	924.10	261.50	19
20	-399.20	467.40	1040.00	350.00	856.90	328.70	20
21	-525.00	755.00	823.70	491.40	864.30	440.70	21
22	-498.00	782.00	905.60	469.10	819.50	575.20	22
23	-578.90	862.90	838.60	491.40	871.80	493.00	23
24	-480.10	889.90	890.70	573.40	998.80	351.10	24
25	-48.59	889.80	1174.00	856.30	961.40	627.50	25
26	-3.66	1097.00	1002.00	953.10	909.20	754.50	26
27	-174.40	835.90	994.90	707.40	946.50	642.40	27
28	-183.40	647.20	1159.00	454.20	894.20	291.30	28
29	-192.40	350.50	1099.00	215.90	954.00	216.70	29
30	-309.30	413.50	1122.00	357.40	961.40	224.10	30
31	-282.30	404.50	987.50	282.90	901.70	239.10	31
32	-408.20	620.20	1099.00	335.10	894.20	276.40	32
33	-291.30	485.40	1099.00	335.10	894.20	291.30	33
34	-192.40	710.10	980.00	350.00	871.80	313.80	34
35	-309.30	755.00	935.40	305.30	924.10	366.00	35
36	-93.56	539.30	1159.00	305.30	924.10	246.50	36
37	-282.30	530.30	1077.00	342.50	931.60	268.90	37
38	-255.30	611.20	1077.00	476.60	924.10	276.40	38
39	-273.30	719.10	1166.00	655.30	916.60	373.50	39
40	140.20	233.70	1136.00	178.70	819.50	201.70	40
41	203.10	350.60	1144.00	215.90	744.80	171.80	41
42	221.00	224.70	1166.00	178.70	752.30	149.40	42
43	185.10	368.50	1174.00	275.50	752.30	179.30	43
44	185.10	404.50	1263.00	439.30	722.40	268.90	44
45	149.20	332.60	1196.00	312.80	752.30	209.20	45

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EVENT	41860SDY	41860ALT	EVENT
2	11110.00	5449.00	2
3	5399.00	8044.00	3
4	17730.00	8174.00	4
5	21100.00	6617.00	5
6	24730.00	6098.00	6
7	24730.00	6358.00	7
8	19280.00	6358.00	8
9	7216.00	7006.00	9
10	4178.00	6228.00	10
11	4621.00	11680.00	11
12	18760.00	9731.00	12
13	16690.00	9731.00	13
14	18760.00	9212.00	14
15	20060.00	9212.00	15
16	21360.00	7915.00	16
17	21100.00	9731.00	17
18	8643.00	4022.00	18
19	7086.00	3763.00	19
20	5400.00	3893.00	20
21	4232.00	7136.00	21
22	-439.50	6877.00	22
23	598.50	6358.00	23
24	-8743.00	15440.00	24
25	10850.00	13490.00	25
26	16950.00	14920.00	26
27	8643.00	12070.00	27
28	29270.00	6487.00	28
29	14480.00	6747.00	29
30	10590.00	8563.00	30
31	9551.00	4671.00	31
32	16040.00	7525.00	32
33	9681.00	6617.00	33
34	11370.00	8304.00	34
35	8124.00	9212.00	35
36	-5889.00	12070.00	36
37	8773.00	21540.00	37
38	9421.00	8174.00	38
39	15130.00	10770.00	39
40	30050.00	2336.00	40
41	33290.00	2725.00	41
42	33040.00	2984.00	42
43	34200.00	4152.00	43
44	31870.00	4411.00	44
45	31090.00	4152.00	45

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TGW 20800 TCCR 9.7 AFT FLIGHT DATE 08/11/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	4.65	7.23	11.87	-2.75	12.93	.78	2
3	4.23	6.81	11.04	-2.58	13.19	.70	3
4	4.14	6.73	10.87	-2.58	13.15	.65	4
5	4.23	6.98	11.20	-2.83	12.67	.70	5
6	4.14	6.98	11.12	-2.83	12.67	.70	6
7	4.10	6.77	10.95	-2.67	12.67	.78	7
8	4.02	3.51	7.53	.51	12.71	.57	8
9	4.02	3.76	7.78	.26	12.01	.57	9
10	4.14	3.97	8.11	.09	11.71	.61	10
11	3.89	4.39	8.23	-.49	11.45	.61	11
12	4.06	4.30	8.36	-.24	11.62	.61	12
13	4.02	4.60	8.61	-.58	11.27	.70	13
14	3.98	5.31	9.53	-1.33	9.88	.78	14
15	3.89	4.97	8.86	-1.08	9.49	.65	15
16	3.93	4.85	8.78	-.91	10.06	.70	16
17	3.81	5.14	9.03	-1.33	10.14	.70	17
18	3.85	5.93	9.78	-2.08	10.45	.74	18
19	4.14	5.97	10.12	-1.91	9.71	.87	19
20	4.23	5.56	9.78	-1.33	10.49	.87	20
21	4.10	5.26	9.45	-1.16	10.19	.74	21
22	4.35	5.60	9.95	-1.24	10.97	.91	22
23	3.85	6.35	10.28	-2.50	10.71	.83	23
24	3.77	6.52	10.53	-2.75	10.27	.91	24
25	4.48	5.56	10.03	-1.08	10.10	1.09	25
26	4.14	5.47	9.61	-1.33	9.58	1.09	26
27	3.39	8.31	12.12	-4.92	9.84	1.26	27
28	4.10	3.76	7.86	.34	10.23	.61	28
29	4.10	5.60	9.70	-1.50	9.97	.70	29
30	4.19	5.51	9.70	-1.50	8.97	.83	30
31	4.65	5.81	10.45	-1.16	10.53	.83	31
32	4.10	5.68	10.20	-1.58	10.40	1.22	32
33	4.06	4.55	8.61	-.49	8.18	.65	33
34	4.02	3.51	7.53	.51	7.62	.44	34
35	4.06	2.80	6.94	1.18	6.27	.39	35
36	4.48	5.31	9.78	-1.08	10.23	.78	36
37	3.73	3.22	6.94	.43	5.75	.39	37
38	3.81	5.14	8.95	-1.33	5.57	.48	38
39	3.85	5.01	8.86	-1.16	5.40	.48	39
40	4.14	5.14	9.28	-.99	5.40	.57	40
41	3.73	3.13	7.11	.01	5.57	.48	41
42	4.69	6.27	10.95	-4.25	6.05	.61	42
43	4.35	6.60	10.95	-2.25	9.58	.57	43
44	4.19	7.35	11.70	-3.25	11.14	.74	44
45	4.10	7.52	11.62	-3.42	11.54	.87	45
46	4.06	7.23	11.29	-3.17	12.10	.91	46
47	4.23	7.56	11.79	-3.33	13.02	1.05	47
48	3.98	7.31	11.29	-3.33	13.36	1.05	48

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TEGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
49	3.93	7.35	11.29	-3.42	13.32	1.00	49
50	3.85	7.60	11.45	-3.84	13.28	1.13	50
51	3.85	7.52	11.45	-3.67	13.49	1.09	51
52	4.14	6.64	10.79	-2.50	9.23	.65	52
53	3.98	6.73	10.79	-2.75	10.62	.74	53
54	4.23	4.22	8.61	.01	13.67	.48	54
55	3.85	5.77	10.12	-1.91	12.32	1.31	55
56	4.85	6.02	11.12	-1.16	12.45	1.44	56
57	4.85	6.02	10.87	-1.16	12.41	1.22	57
58	4.31	8.40	12.71	-4.17	10.75	1.22	58
59	4.69	6.85	11.54	-2.16	10.10	.74	59
60	4.60	7.77	12.37	-3.25	10.36	.83	60
61	4.52	8.77	13.29	-4.34	10.84	1.04	61
62	4.44	4.76	9.20	-.49	11.54	.70	62
63	4.02	5.93	9.95	-1.91	13.19	.96	63
64	3.85	2.84	6.69	1.01	10.40	.44	64
65	3.89	3.05	6.94	.84	10.93	.44	65
66	4.10	3.26	7.36	.84	11.75	.48	66
67	4.23	4.30	8.53	-.08	12.45	.74	67
68	3.77	4.18	7.94	-.41	13.06	.57	68
69	3.93	4.93	8.86	-.99	13.80	.78	69
70	4.02	5.35	9.36	-1.33	14.10	.83	70
71	3.39	5.56	8.95	-2.16	6.01	.39	71
72	3.52	6.43	9.95	-2.92	5.88	.52	72
73	3.81	6.81	10.62	-3.00	6.23	.61	73
74	3.60	5.43	9.03	-2.67	5.97	.52	74
75	3.43	5.35	8.78	-1.91	6.05	.44	75
76	3.93	8.10	12.04	-5.51	5.88	.87	76
77	4.39	6.39	11.12	-2.25	5.40	1.00	77
78	3.73	6.56	11.54	-2.92	4.92	.96	78
79	4.10	8.94	13.04	-4.84	5.49	.91	79
80	3.77	7.44	11.20	-3.67	11.01	1.13	80

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TSGW 20800 TDCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
2	13.37	3.56	476.50	3726.00	918.50	16990.00	2
3	14.12	3.47	1106.00	2436.00	5126.00	8750.00	3
4	14.09	3.50	533.00	2436.00	3274.00	10940.00	4
5	13.82	3.59	963.00	2293.00	3948.00	8918.00	5
6	13.79	3.56	963.00	2293.00	4116.00	8077.00	6
7	13.91	3.50	533.00	2723.00	3611.00	12280.00	7
8	13.94	3.29	1536.00	4012.00	2938.00	14640.00	8
9	13.91	3.38	1680.00	4156.00	3611.00	15650.00	9
10	13.88	3.23	1823.00	4299.00	4284.00	15650.00	10
11	13.82	3.53	1393.00	4442.00	3779.00	15480.00	11
12	14.09	3.38	1250.00	4013.00	2602.00	15310.00	12
13	14.12	3.65	1106.00	3869.00	2938.00	14640.00	13
14	12.28	3.92	1536.00	6018.00	-1942.00	20530.00	14
15	12.25	3.83	962.50	4586.00	414.00	17160.00	15
16	12.94	3.86	389.50	4013.00	1929.00	14980.00	16
17	13.28	4.20	1249.00	4872.00	2265.00	15310.00	17
18	13.55	4.89	963.00	3726.00	1929.00	13290.00	18
19	12.13	4.62	963.00	4872.00	1592.00	17670.00	19
20	13.22	4.62	1393.00	5302.00	2770.00	18170.00	20
21	12.82	3.32	676.00	4299.00	750.50	17160.00	21
22	13.40	2.93	103.00	3726.00	582.00	15990.00	22
23	12.28	4.47	1823.00	5159.00	77.50	18170.00	23
24	13.19	5.31	103.00	4872.00	918.50	17670.00	24
25	10.77	5.49	1250.00	4299.00	3275.00	15650.00	25
26	12.34	4.16	1250.00	4013.00	1087.00	15820.00	26
27	13.94	7.03	1393.00	5302.00	-3793.00	19350.00	27
28	12.79	2.81	2109.00	5445.00	3275.00	17330.00	28
29	12.49	4.38	1250.00	4299.00	414.00	15480.00	29
30	11.56	4.83	2109.00	5732.00	1928.00	17330.00	30
31	11.98	3.98	-40.00	5015.00	77.50	19520.00	31
32	14.18	4.32	219.50	4443.00	1037.00	19180.00	32
33	10.92	3.71	1250.00	3726.00	2097.00	13120.00	33
34	9.29	3.29	1393.00	3583.00	2938.00	11950.00	34
35	7.84	2.99	1250.00	3726.00	2097.00	11110.00	35
36	13.70	3.77	1536.00	4299.00	1424.00	15480.00	36
37	5.82	3.08	1823.00	3153.00	2770.00	8750.00	37
38	6.79	5.31	2826.00	4442.00	2434.00	13800.00	38
39	7.69	5.49	2539.00	5015.00	3443.00	14130.00	39
40	3.77	5.68	2683.00	4299.00	3275.00	11610.00	40
41	6.18	4.23	2253.00	3869.00	3275.00	10260.00	41
42	7.45	8.03	390.00	5445.00	-30.50	22720.00	42
43	10.47	3.02	1536.00	2579.00	2938.00	7235.00	43
44	12.25	3.11	2253.00	1863.00	4957.00	5889.00	44
45	12.98	3.17	1680.00	2150.00	5294.00	6899.00	45
46	13.82	2.51	1680.00	2150.00	4789.00	7067.00	46
47	14.42	3.65	1823.00	2580.00	5967.00	7572.00	47
48	15.18	3.50	1680.00	2723.00	5462.00	8077.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TGGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
49	15.48	3.50	1393.00	3009.00	5126.00	8750.00	49
50	15.27	4.13	1393.00	3583.00	4116.00	9759.00	50
51	15.54	3.92	1536.00	3439.00	5799.00	11110.00	51
52	10.17	3.44	963.00	3439.00	1256.00	9928.00	52
53	11.74	3.08	819.50	4443.00	1255.00	18000.00	53
54	14.15	2.84	1250.00	2580.00	4116.00	11110.00	54
55	14.15	4.53	963.00	2866.00	582.50	12620.00	55
56	13.91	4.10	1106.00	3009.00	1088.00	13800.00	56
57	14.12	4.62	676.50	3153.00	1760.00	14810.00	57
58	12.40	3.56	1823.00	5732.00	3275.00	23050.00	58
59	11.44	3.20	1393.00	2436.00	2602.00	7572.00	59
60	11.80	3.20	1823.00	1720.00	5294.00	5553.00	60
61	12.91	3.65	2539.00	1863.00	5294.00	7236.00	61
62	13.58	3.95	2396.00	2293.00	5798.00	8413.00	62
63	15.57	4.44	2109.00	2866.00	5462.00	10100.00	63
64	11.19	3.20	1679.00	2436.00	1761.00	7404.00	64
65	12.10	3.50	2540.00	2150.00	5125.00	6394.00	65
66	13.37	3.44	2110.00	1720.00	5126.00	6058.00	66
67	14.48	3.71	1823.00	2006.00	4957.00	6899.00	67
68	14.97	3.59	1680.00	1863.00	4116.00	6394.00	68
69	15.99	3.71	1536.00	2006.00	5630.00	6899.00	69
70	16.45	3.74	1680.00	2150.00	5125.00	7740.00	70
71	5.07	4.38	1823.00	3439.00	1592.00	8245.00	71
72	5.46	5.07	1966.00	4442.00	2433.00	10100.00	72
73	6.64	5.16	2396.00	4872.00	3948.00	13290.00	73
74	4.04	4.14	1823.00	4586.00	-90.50	11270.00	74
75	5.34	3.98	2253.00	3869.00	246.00	8918.00	75
76	4.07	6.58	2000.00	6000.00	-595.50	12450.00	76
77	4.58	4.07	2253.00	4443.00	3948.00	11610.00	77
78	6.27	4.56	2683.00	4586.00	4234.00	10940.00	78
79	6.85	7.73	1536.00	5159.00	-427.00	12960.00	79
80	10.92	4.26	1250.00	6879.00	3443.00	24570.00	80

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	1554.00	5324.00	2217.00	4252.00	-4305.00	5484.00	2
3	2780.00	3085.00	2753.00	3486.00	-4347.00	2391.00	3
4	1934.00	3592.00	2255.00	3448.00	-4594.00	3051.00	4
5	2188.00	3338.00	2485.00	3294.00	-4470.00	2598.00	5
6	2399.00	3127.00	2639.00	3295.00	-4347.00	2721.00	6
7	1470.00	3887.00	1834.00	3562.00	-4058.00	3257.00	7
8	2146.00	4056.00	1910.00	4712.00	-5542.00	6556.00	8
9	2146.00	4225.00	2141.00	4789.00	-5666.00	6679.00	9
10	1681.00	4521.00	1911.00	4559.00	-5666.00	6761.00	10
11	2230.00	4563.00	2370.00	4865.00	-5542.00	6391.00	11
12	1723.00	4479.00	2179.00	4520.00	-5625.00	6308.00	12
13	1977.00	4563.00	2140.00	4482.00	-5295.00	6225.00	13
14	-348.00	6634.00	263.00	5516.00	-4924.00	7009.00	14
15	1089.00	5451.00	1374.00	5171.00	-3852.00	6844.00	15
16	1681.00	5281.00	1911.00	4788.00	-4264.00	6844.00	16
17	2357.00	5281.00	2217.00	5095.00	-3481.00	7297.00	17
18	2399.00	5155.00	2677.00	4788.00	-4388.00	5978.00	18
19	1681.00	5789.00	1872.00	5593.00	-4099.00	7751.00	19
20	1681.00	5450.00	1451.00	5938.00	-4553.00	7297.00	20
21	751.00	5789.00	1489.00	4980.00	-4182.00	6761.00	21
22	624.00	5662.00	1757.00	4405.00	-3646.00	5813.00	22
23	1765.00	6296.00	1757.00	5938.00	-5418.00	3246.00	23
24	1427.00	6127.00	1719.00	5210.00	-4553.00	7380.00	24
25	1808.00	5239.00	2370.00	5555.00	-3398.00	6968.00	25
26	2230.00	5324.00	2140.00	5018.00	-3893.00	7298.00	26
27	455.00	6845.00	1719.00	5133.00	-3110.00	6926.00	27
28	1977.00	4901.00	2179.00	4827.00	-4512.00	7421.00	28
29	1765.00	5451.00	1834.00	5248.00	-4306.00	7462.00	29
30	1892.00	5324.00	1681.00	5631.00	-4306.00	8205.00	30
31	1850.00	5873.00	2178.00	5210.00	-3769.00	7751.00	31
32	1469.00	5831.00	2255.00	6129.00	-2410.00	7875.00	32
33	1892.00	4225.00	1297.00	4942.00	-3440.00	4700.00	33
34	2230.00	4056.00	1029.00	4520.00	-3935.00	4535.00	34
35	2061.00	3634.00	952.80	4137.00	-3852.00	4123.00	35
36	1681.00	5197.00	1336.00	4980.00	-5089.00	6349.00	36
37	1512.00	3422.00	1067.00	3486.00	-3563.00	3175.00	37
38	1977.00	4056.00	569.40	4597.00	-5460.00	5071.00	38
39	1258.00	5197.00	1221.00	4788.00	-5501.00	6432.00	39
40	2441.00	4437.00	1221.00	4635.00	-3769.00	6597.00	40
41	2315.00	3549.00	990.90	3792.00	-3316.00	3587.00	41
42	-305.50	7691.00	569.50	5364.00	1796.00	8534.00	42
43	2822.00	2958.00	2332.00	3371.00	-2244.00	3340.00	43
44	3287.00	3592.00	2792.00	4520.00	-3563.00	3010.00	44
45	3286.00	3930.00	2868.00	4673.00	-3316.00	2927.00	45
46	3159.00	4141.00	2753.00	4788.00	-3481.00	3257.00	46
47	3160.00	4732.00	2830.00	5095.00	-3728.00	3835.00	47
48	3202.00	5028.00	2677.00	5248.00	-3646.00	4164.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TGW 20300 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
49	3117.00	5535.00	2677.00	5401.00	-3811.00	4411.00	49
50	2737.00	6253.00	2332.00	5976.00	-4017.00	4865.00	50
51	2779.00	6330.00	2102.00	6206.00	-4141.00	4906.00	51
52	1132.00	4056.00	1259.00	3601.00	-3027.00	3958.00	52
53	497.50	6888.00	608.10	4482.00	-3316.00	4989.00	53
54	3456.00	3253.00	3175.00	1915.00	-2450.00	2886.00	54
55	2483.00	3634.00	2830.00	2796.00	-1914.00	5154.00	55
56	2948.00	4183.00	2523.00	2873.00	-3028.00	4535.00	56
57	2526.00	4183.00	3098.00	2758.00	-18.00	4906.00	57
58	1512.00	8494.00	1489.00	5670.00	-2822.00	7792.00	58
59	2019.00	3253.00	1757.00	3180.00	-3151.00	3175.00	59
60	3160.00	2873.00	2677.00	3562.00	-3233.00	3505.00	60
61	3625.00	3930.00	2715.00	4443.00	-3687.00	3298.00	61
62	3244.00	4141.00	2907.00	4559.00	-4182.00	3793.00	62
63	3329.00	5070.00	2447.00	5631.00	-3728.00	4329.00	63
64	2610.00	3254.00	2562.00	3371.00	-3357.00	3546.00	64
65	2991.00	3380.00	2753.00	4099.00	-2986.00	2845.00	65
66	3117.00	3169.00	2868.00	4137.00	-3357.00	2474.00	66
67	3413.00	3887.00	2983.00	4482.00	-3769.00	3051.00	67
68	3202.00	3760.00	2945.00	4290.00	-3192.00	2969.00	68
69	3413.00	4056.00	3021.00	4444.00	-3316.00	3340.00	69
70	3159.00	4648.00	3213.00	4712.00	-3605.00	3958.00	70
71	1089.00	3930.00	684.80	3409.00	-2038.00	2474.00	71
72	920.30	4268.00	646.50	3141.00	-3481.00	2845.00	72
73	1132.00	5240.00	608.00	4712.00	-5336.00	3876.00	73
74	244.00	4606.00	684.40	3716.00	-1419.00	5154.00	74
75	455.60	3887.00	-158.00	3256.00	-1337.00	2515.00	75
76	582.10	3676.00	225.10	3256.00	-3398.00	3670.00	76
77	1850.00	5281.00	1029.00	3754.00	-4635.00	2928.00	77
78	1850.00	5281.00	1451.00	4099.00	-4305.00	3340.00	78
79	1427.00	5451.00	148.00	4329.00	-3357.00	4618.00	79
80	2695.00	7226.00	1412.00	7432.00	-2121.00	9730.00	80

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TORGW 20800 TORG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-5024.00	5751.00	-2918.00	12200.00	38510.00	14000.00	2
3	-4247.00	3482.00	-2918.00	10750.00	39820.00	10940.00	3
4	-4527.00	3202.00	-2557.00	10390.00	40840.00	10790.00	4
5	-4620.00	2984.00	-2647.00	11020.00	41140.00	11380.00	5
6	-4340.00	3264.00	-2647.00	10840.00	41870.00	10940.00	6
7	-4558.00	3109.00	-1924.00	10660.00	42890.00	11380.00	7
8	-4216.00	8238.00	-1653.00	11470.00	44640.00	11960.00	8
9	-3906.00	8238.00	-1111.00	11830.00	46240.00	12400.00	9
10	-4496.00	8268.00	-1473.00	12200.00	46970.00	12840.00	10
11	-4030.00	7802.00	-840.50	11920.00	46830.00	12400.00	11
12	-4713.00	7057.00	-1202.00	12650.00	47260.00	12540.00	12
13	-3781.00	7118.00	-1202.00	12290.00	48230.00	12980.00	13
14	-5335.00	6808.00	-4183.00	13820.00	47550.00	12840.00	14
15	-3905.00	6000.00	-2015.00	11290.00	48870.00	11230.00	15
16	-4123.00	6466.00	-479.00	12290.00	48720.00	12250.00	16
17	-3377.00	6901.00	-569.50	12200.00	49160.00	11820.00	17
18	-4092.00	5626.00	-931.00	13100.00	48870.00	13860.00	18
19	-4465.00	7367.00	153.50	12920.00	47990.00	14730.00	19
20	-3750.00	6963.00	-1111.00	12380.00	49890.00	15170.00	20
21	-4216.00	5627.00	-1473.00	12740.00	48430.00	14000.00	21
22	-4216.00	5751.00	-1021.00	13550.00	48720.00	14880.00	22
23	-5210.00	7181.00	-569.00	13640.00	49160.00	15020.00	23
24	-4651.00	6684.00	-840.50	14090.00	49450.00	14730.00	24
25	-3035.00	7989.00	-388.50	12920.00	49740.00	14440.00	25
26	-3781.00	6372.00	-1111.00	14180.00	49450.00	15020.00	26
27	-2849.00	7368.00	244.00	15000.00	50330.00	14730.00	27
28	-3844.00	7989.00	515.00	11470.00	52080.00	12400.00	28
29	-4185.00	7150.00	-749.50	12740.00	48720.00	13710.00	29
30	-3346.00	7989.00	-479.00	13550.00	50030.00	15320.00	30
31	-3936.00	6715.00	1509.00	16620.00	51630.00	16330.00	31
32	-2538.00	6994.00	876.00	16350.00	49590.00	17210.00	32
33	-3843.00	4197.00	695.50	11650.00	49890.00	12840.00	33
34	-3750.00	4663.00	334.50	10570.00	51780.00	10940.00	34
35	-3998.00	4290.00	1057.00	9124.00	51640.00	10790.00	35
36	-4123.00	7149.00	-117.50	12470.00	49890.00	13710.00	36
37	-2693.00	3482.00	63.50	7589.00	55140.00	9628.00	37
38	-2289.00	6248.00	-1473.00	8763.00	54110.00	12690.00	38
39	-4713.00	6746.00	786.00	11200.00	56010.00	14870.00	39
40	-1699.00	7523.00	1057.00	8402.00	50180.00	9336.00	40
41	-2662.00	3886.00	966.50	9034.00	53240.00	9773.00	41
42	2063.00	9792.00	-27.00	10930.00	48580.00	12690.00	42
43	-2879.00	3233.00	-479.00	11020.00	42600.00	12250.00	43
44	-3159.00	3451.00	-1834.00	11830.00	41570.00	12690.00	44
45	-3687.00	3109.00	-2015.00	13460.00	41720.00	14590.00	45
46	-3750.00	3481.00	-1925.00	13190.00	40700.00	14730.00	46
47	-4434.00	3792.00	-2647.00	15720.00	41430.00	18670.00	47
48	-4123.00	3917.00	-2376.00	17070.00	39820.00	21150.00	48

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CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA. VOLUME I--ETC(U)

1978 R AIELLO ; J BENDO

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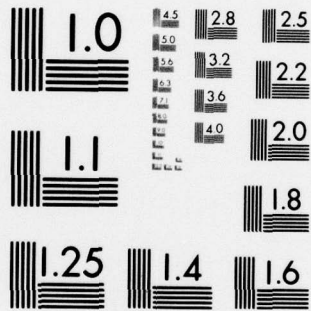
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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TBGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
49	-4216.00	4010.00	-2828.00	17350.00	40260.00	21300.00	49
50	-4465.00	4694.00	-2828.00	19510.00	40260.00	24210.00	50
51	-4030.00	4818.00	-2015.00	19420.00	39240.00	24940.00	51
52	-3532.00	3513.00	-1021.00	11020.00	43620.00	11230.00	52
53	-3595.00	5129.00	-2105.00	12290.00	44350.00	13420.00	53
54	-4682.00	3482.00	-840.00	9395.00	43180.00	8169.00	54
55	-4185.00	3855.00	-2738.00	11650.00	41430.00	10500.00	55
56	-5522.00	4383.00	-750.00	12020.00	45220.00	10500.00	56
57	-2693.00	5533.00	-1924.00	11740.00	42450.00	12110.00	57
58	-3252.00	6839.00	515.00	15270.00	40990.00	14730.00	58
59	-3843.00	2705.00	966.50	11200.00	41430.00	11380.00	59
60	-3781.00	2767.00	966.50	10480.00	40990.00	10940.00	60
61	-4247.00	3855.00	1509.00	13730.00	40990.00	13570.00	61
62	-3750.00	3668.00	-660.00	13370.00	38660.00	14150.00	62
63	-4776.00	5440.00	-3008.00	16080.00	40990.00	19690.00	63
64	-4092.00	3077.00	-750.00	8763.00	43180.00	11090.00	64
65	-3159.00	3389.00	-2467.00	9215.00	42160.00	10940.00	65
66	-3594.00	2767.00	-3009.00	11020.00	41430.00	13130.00	66
67	-3967.00	3140.00	-3189.00	13730.00	41570.00	15900.00	67
68	-3967.00	3016.00	-3641.00	12740.00	40700.00	15320.00	68
69	-4465.00	3450.00	-3641.00	14540.00	40840.00	16920.00	69
70	-4620.00	3544.00	-2738.00	16170.00	39970.00	19550.00	70
71	-1201.00	2549.00	-750.00	9305.00	46970.00	13420.00	71
72	-2880.00	3295.00	-569.00	11470.00	46530.00	14730.00	72
73	-3812.00	4352.00	-659.50	12830.00	46100.00	17500.00	73
74	-113.00	5999.00	-4544.00	10750.00	45370.00	14730.00	74
75	-3625.00	2736.00	-1382.00	9576.00	45510.00	13130.00	75
76	-703.30	3917.00	1870.00	10660.00	45220.00	12840.00	76
77	-3470.00	3140.00	-569.00	12380.00	47260.00	18370.00	77
78	-4278.00	3575.00	-1292.00	13280.00	44780.00	18530.00	78
79	-3346.00	4570.00	-2647.00	12830.00	44640.00	17800.00	79
80	-3968.00	10790.00	-4906.00	17800.00	35300.00	19840.00	80

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FLIGHT LEADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TSGW 20800 TCRG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	33420.00	14750.00	-574.50	1250.00	-1585.00	1205.00	2
3	34230.00	10690.00	-361.10	853.70	-1302.00	817.10	3
4	35200.00	10690.00	-300.10	731.70	-1198.00	817.10	4
5	36170.00	10370.00	-208.70	823.20	-1208.00	827.60	5
6	36340.00	10210.00	-208.70	823.20	-1219.00	817.10	6
7	37310.00	10530.00	-147.70	762.20	-1020.00	806.70	7
8	39740.00	13940.00	65.75	1220.00	-1292.00	1100.00	8
9	40060.00	13610.00	4.75	1220.00	-1260.00	1215.00	9
10	41520.00	13770.00	4.75	1220.00	-1166.00	1100.00	10
11	42010.00	13290.00	-86.69	1372.00	-1166.00	1205.00	11
12	42980.00	13610.00	-56.22	1219.00	-1082.00	1142.00	12
13	43630.00	13290.00	-117.20	1220.00	-1051.00	1131.00	13
14	42980.00	13610.00	-178.20	1585.00	-747.20	1142.00	14
15	43300.00	10370.00	-208.70	1372.00	-967.10	1110.00	15
16	44280.00	12310.00	-330.60	1311.00	-1040.00	1184.00	16
17	44280.00	12640.00	-330.60	1372.00	-1198.00	1278.00	17
18	44110.00	13130.00	-361.10	1402.00	-1198.00	1550.00	18
19	42490.00	13770.00	-86.72	1433.00	-988.10	1215.00	19
20	41840.00	14420.00	-300.10	1524.00	-967.10	1215.00	20
21	43950.00	14580.00	-56.22	1159.00	-1082.00	974.30	21
22	43140.00	15390.00	-56.22	1280.00	-998.60	1100.00	22
23	43630.00	14580.00	-86.72	1555.00	-914.80	1289.00	23
24	45730.00	14420.00	35.22	1555.00	-1051.00	1362.00	24
25	43470.00	16370.00	-25.72	1738.00	-1020.00	1351.00	25
26	42330.00	12960.00	-239.10	1646.00	-1219.00	1509.00	26
27	44760.00	13450.00	-117.20	1707.00	-1177.00	1509.00	27
28	42820.00	14100.00	-147.70	1433.00	-988.10	1152.00	28
29	43630.00	12320.00	-147.70	1311.00	-1093.00	1215.00	29
30	43950.00	14260.00	-269.60	1372.00	-1020.00	1163.00	30
31	44600.00	15560.00	-391.60	1799.00	-1334.00	1603.00	31
32	43790.00	15390.00	-909.80	1890.00	-1512.00	1509.00	32
33	43140.00	11830.00	-300.10	1280.00	-820.50	1069.00	33
34	43140.00	11830.00	-208.70	1372.00	-768.10	932.30	34
35	43470.00	11180.00	-239.10	1220.00	-831.00	848.50	35
36	44600.00	13290.00	4.75	1524.00	-1177.00	1152.00	36
37	47520.00	9074.00	-269.70	1128.00	-768.10	785.70	37
38	46710.00	12800.00	187.70	1829.00	-621.40	1247.00	38
39	44540.00	14910.00	-696.40	1677.00	-1051.00	1184.00	39
40	41360.00	10690.00	279.20	1738.00	-851.90	1289.00	40
41	44280.00	8102.00	-513.50	1433.00	-967.20	1089.00	41
42	40220.00	10860.00	-178.20	2073.00	-391.00	1456.00	42
43	35850.00	11340.00	-422.10	1098.00	-1281.00	1027.00	43
44	34550.00	11020.00	-666.00	1768.00	-1627.00	1393.00	44
45	35200.00	13940.00	-818.40	1921.00	-1627.00	1519.00	45
46	35850.00	14910.00	-787.90	2134.00	-1585.00	1582.00	46
47	35530.00	18150.00	-818.40	2409.00	-1816.00	1791.00	47
48	35040.00	23500.00	-818.40	2652.00	-1826.00	1928.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TEGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
49	24880.00	23660.00	-940.40	2835.00	-1858.00	2022.00	49
50	25360.00	28030.00	-1032.00	3232.00	-2120.00	2200.00	50
51	24230.00	29490.00	-1093.00	3354.00	-2078.00	2263.00	51
52	26660.00	11830.00	-178.20	914.60	-1082.00	869.50	52
53	26500.00	13290.00	4.75	914.60	-967.20	1089.00	53
54	26980.00	8588.00	35.25	762.20	-1208.00	743.80	54
55	26660.00	9237.00	-86.69	1189.00	-956.70	1058.00	55
56	28770.00	10370.00	4.75	914.60	-1061.00	785.70	56
57	26980.00	14100.00	96.19	1494.00	-1040.00	1016.00	57
58	24720.00	16040.00	218.20	1250.00	-1040.00	1330.00	58
59	25690.00	9237.00	-86.69	884.10	-1156.00	754.30	59
60	24230.00	9398.00	-361.10	1159.00	-1334.00	1016.00	60
61	24390.00	10210.00	-391.60	1494.00	-1512.00	1362.00	61
62	23740.00	12150.00	-574.50	1677.00	-1449.00	1362.00	62
63	26340.00	23170.00	-787.90	2744.00	-1900.00	1833.00	63
64	26340.00	10860.00	-361.10	1159.00	-1260.00	1048.00	64
65	26170.00	10690.00	-452.60	1494.00	-1376.00	1226.00	65
66	26500.00	12640.00	-574.50	1677.00	-1470.00	1257.00	66
67	26980.00	17010.00	-635.50	2104.00	-1680.00	1509.00	67
68	26500.00	16530.00	-574.50	2104.00	-1606.00	1456.00	68
69	26820.00	18470.00	-635.50	2226.00	-1638.00	1613.00	69
70	26660.00	22520.00	-696.50	2469.00	-1648.00	1812.00	70
71	29740.00	14580.00	-513.50	1250.00	-925.20	1110.00	71
72	29410.00	14580.00	-483.10	1220.00	-904.30	1110.00	72
73	29410.00	19440.00	-757.40	1799.00	-1302.00	1341.00	73
74	26820.00	15560.00	126.70	1707.00	-548.10	1404.00	74
75	26500.00	14260.00	-787.90	1585.00	-1198.00	1278.00	75
76	27960.00	13450.00	279.10	1372.00	-391.00	869.50	76
77	28440.00	21070.00	-1215.00	1646.00	-1606.00	1477.00	77
78	26170.00	20740.00	-1123.00	1982.00	-1617.00	1488.00	78
79	25850.00	19770.00	-970.80	1890.00	-1428.00	1446.00	79
80	20340.00	24310.00	218.20	1738.00	-1114.00	1529.00	80

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-206.00	683.60	1033.00	408.80	1017.00	351.60	2
3	-295.90	665.60	966.20	208.10	1024.00	179.50	3
4	-286.90	638.60	1003.00	289.90	1047.00	201.90	4
5	-304.90	638.60	995.90	237.80	1024.00	179.50	5
6	-250.90	656.60	988.50	215.60	1017.00	172.00	6
7	-250.90	638.60	1011.00	327.10	1017.00	216.90	7
8	-206.00	917.50	1018.00	349.30	1122.00	426.30	8
9	-269.00	836.50	1048.00	364.30	1114.00	448.80	9
10	-242.00	845.50	1070.00	371.70	1084.00	448.80	10
11	-349.90	809.50	1048.00	364.30	1084.00	433.80	11
12	-349.90	791.50	1063.00	379.10	1084.00	403.90	12
13	-385.90	773.60	1063.00	364.30	1069.00	403.90	13
14	-268.90	980.40	1219.00	520.30	1024.00	433.80	14
15	-269.00	836.50	1159.00	416.30	964.50	448.80	15
16	-412.90	800.60	1107.00	379.10	1002.00	441.30	16
17	-403.90	791.60	1100.00	371.70	942.00	456.30	17
18	-367.90	863.50	1055.00	312.20	1002.00	396.40	18
19	-385.90	971.40	1055.00	460.90	971.90	486.20	19
20	-394.90	980.40	1078.00	453.40	994.40	478.70	20
21	-295.90	863.50	1130.00	475.70	994.40	433.80	21
22	-853.60	1241.00	1100.00	460.80	927.10	366.50	22
23	-304.90	962.40	1063.00	498.00	1069.00	538.50	23
24	-484.80	908.50	1100.00	475.70	1032.00	501.20	24
25	-430.80	1052.00	1048.00	423.70	957.00	471.20	25
26	-376.90	962.40	1122.00	379.10	971.90	486.20	26
27	-439.80	953.50	1249.00	505.50	934.50	463.70	27
28	-457.80	863.50	1085.00	416.30	1002.00	486.20	28
29	-403.90	845.50	1107.00	394.00	994.40	478.70	29
30	-403.90	1007.00	1100.00	416.30	1054.00	508.60	30
31	-421.80	1133.00	1070.00	446.00	986.90	501.20	31
32	-313.90	1187.00	1115.00	460.80	859.70	493.70	32
33	-304.90	800.60	1085.00	327.10	919.60	299.20	33
34	-286.90	620.60	1048.00	304.80	971.90	291.70	34
35	-313.90	521.70	1093.00	289.90	964.50	269.30	35
36	-394.90	818.60	1085.00	401.40	1039.00	418.90	36
37	-197.00	440.70	1219.00	252.70	1009.00	194.50	37
38	.88	980.40	1189.00	327.10	1129.00	314.20	38
39	-44.09	935.50	1264.00	356.80	1204.00	388.90	39
40	-116.00	683.60	1130.00	297.30	1009.00	403.90	40
41	-125.00	566.70	1211.00	245.30	1017.00	231.90	41
42	-89.03	818.50	1293.00	579.80	665.30	538.50	42
43	-215.00	620.70	981.00	163.50	882.20	231.90	43
44	-403.90	737.60	943.90	156.10	949.50	209.40	44
45	-385.90	881.50	914.20	200.70	957.00	202.00	45
46	-376.90	962.40	906.70	193.30	934.50	224.40	46
47	-457.80	1061.00	899.30	215.60	964.50	269.30	47
48	-403.90	1115.00	929.00	245.30	964.50	284.20	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124

TGGW 20800 TSCR 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
49	-439.80	1133.00	914.20	245.30	971.90	306.70	49
50	-529.80	1151.00	914.20	289.90	1002.00	336.60	50
51	-565.80	1151.00	921.60	297.30	994.40	344.10	51
52	-161.00	602.70	1078.00	275.00	942.00	246.80	52
53	-161.00	746.60	1063.00	542.60	971.90	306.70	53
54	-466.80	512.70	958.80	260.20	904.60	179.50	54
55	-448.80	638.70	1070.00	327.10	874.70	329.10	55
56	-385.90	539.70	1055.00	341.90	942.00	291.70	56
57	-421.80	719.60	1063.00	304.80	747.50	306.70	57
58	-206.00	899.50	862.10	669.00	829.80	493.70	58
59	-358.90	548.70	869.50	185.80	852.30	216.90	59
60	-367.90	575.70	824.90	126.40	844.80	239.30	60
61	-439.80	809.50	795.20	156.10	867.20	231.80	61
62	-475.80	773.60	839.80	185.80	904.60	269.30	62
63	-520.80	1106.00	906.70	252.70	979.40	299.20	63
64	-170.00	665.60	1026.00	208.10	957.00	231.90	64
65	-322.90	638.70	981.00	163.50	949.50	194.50	65
66	-385.90	773.60	958.80	126.40	942.00	187.00	66
67	-412.80	944.50	914.20	185.80	949.50	209.40	67
68	-358.90	926.50	929.00	171.00	934.50	224.40	68
69	-394.90	1034.00	921.60	193.30	942.00	231.90	69
70	-430.80	1142.00	914.10	215.60	949.50	284.30	70
71	-62.06	503.70	1211.00	245.30	957.00	157.10	71
72	-80.03	593.70	1226.00	275.00	1017.00	201.90	72
73	-277.90	719.60	1278.00	341.90	1114.00	269.30	73
74	90.84	674.60	1249.00	327.10	927.10	336.60	74
75	-116.00	557.70	1271.00	275.00	942.00	172.00	75
76	189.80	503.70	1226.00	260.20	1054.00	239.30	76
77	-251.00	710.60	1197.00	349.40	1054.00	194.50	77
78	-269.00	710.60	1174.00	327.10	1114.00	224.40	78
79	.91	908.50	1256.00	334.50	986.90	291.70	79
80	-62.04	971.40	1026.00	654.10	837.30	620.80	80

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TGGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41860SDY	41860ALT	EVENT
2	4453.00	7651.00	2
3	1253.00	6613.00	3
4	433.00	6743.00	4
5	2249.00	7003.00	5
6	3286.00	6743.00	6
7	4842.00	6743.00	7
8	5490.00	8429.00	8
9	7565.00	7910.00	9
10	10290.00	7781.00	10
11	11460.00	7392.00	11
12	11330.00	8040.00	12
13	12490.00	7911.00	13
14	24110.00	9337.00	14
15	26760.00	7392.00	15
16	23000.00	7262.00	16
17	21830.00	6873.00	17
18	20660.00	7262.00	18
19	26370.00	9337.00	19
20	21050.00	8688.00	20
21	22350.00	8948.00	21
22	17680.00	9985.00	22
23	17940.00	8948.00	23
24	24420.00	8948.00	24
25	23770.00	11150.00	25
26	27530.00	9726.00	26
27	25200.00	10500.00	27
28	25330.00	7262.00	28
29	24940.00	7392.00	29
30	22980.00	8429.00	30
31	22480.00	9078.00	31
32	22480.00	10890.00	32
33	26480.00	7781.00	33
34	41800.00	6095.00	34
35	49190.00	5706.00	35
36	24370.00	8559.00	36
37	59050.00	5187.00	37
38	58660.00	5576.00	38
39	57490.00	6484.00	39
40	54710.00	5706.00	40
41	58140.00	5835.00	41
42	52820.00	6743.00	42
43	24630.00	5706.00	43
44	17680.00	7392.00	44
45	13270.00	8689.00	45
46	10290.00	9077.00	46
47	6527.00	10760.00	47
48	1729.00	11150.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 124
TSGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41860SDY	41860ALT	EVENT
49	562.50	11280.00	49
50	2508.00	12450.00	50
51	1730.00	12710.00	51
52	27150.00	6743.00	52
53	18850.00	9078.00	53
54	4657.00	5965.00	54
55	7436.00	10890.00	55
56	7176.00	11410.00	56
57	7565.00	11280.00	57
58	15860.00	10500.00	58
59	20140.00	5965.00	59
60	17940.00	6354.00	60
61	16250.00	8559.00	61
62	12360.00	7003.00	62
63	3156.00	11020.00	63
64	20270.00	5317.00	64
65	16900.00	5836.00	65
66	11460.00	6873.00	66
67	8603.00	8948.00	67
68	2378.00	8170.00	68
69	-86.00	9337.00	69
70	-2977.00	9856.00	70
71	52690.00	5576.00	71
72	53990.00	6614.00	72
73	57880.00	8170.00	73
74	50360.00	6873.00	74
75	53470.00	5836.00	75
76	52560.00	7781.00	76
77	56580.00	9466.00	77
78	57230.00	8818.00	78
79	56450.00	8559.00	79
80	9121.00	13360.00	80

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126
TCGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	3.47	7.73	11.54	-4.26	10.93	.87	2
4	3.81	4.72	8.53	-.91	13.02	1.13	4
5	3.06	5.22	8.53	-2.17	13.15	.83	5
6	4.68	4.26	9.03	-.33	12.67	1.48	6
7	4.81	9.73	14.54	-5.76	11.36	1.31	7
8	4.10	5.77	9.95	-1.67	12.10	.65	8
9	4.35	6.77	11.12	-2.42	10.32	.70	9
10	3.93	6.85	10.95	-2.92	9.84	.65	10
11	3.81	7.23	11.03	-3.42	11.80	.87	11
12	3.93	6.60	10.53	-2.67	13.28	.87	12
13	3.72	6.98	10.70	-3.25	13.58	1.00	13
14	3.89	6.81	10.70	-2.92	13.97	.96	14
15	3.85	7.27	11.12	-3.67	13.97	1.04	15
16	3.77	7.19	11.20	-3.42	13.54	1.22	16
17	4.52	7.19	11.70	-2.75	10.32	.87	17
18	4.39	6.56	10.95	-2.25	9.75	.74	18
19	4.14	6.81	11.29	-2.67	11.54	1.13	19
20	4.73	6.81	11.70	-2.08	10.88	.83	20
21	4.56	7.14	11.79	-2.59	10.62	1.09	21
22	4.73	7.40	12.12	-3.42	8.06	.96	22
23	3.89	7.31	11.29	-3.42	11.32	.65	23
24	5.73	8.65	14.38	-3.59	12.19	1.35	24
25	4.31	6.98	11.37	-2.67	11.01	.78	25
26	4.56	7.65	12.29	-3.17	11.32	.83	26
27	4.43	8.02	12.54	-3.59	8.84	.96	27
28	4.60	8.10	12.71	-3.50	11.41	1.09	28
29	4.43	9.02	14.29	-4.59	10.93	1.22	29
30	4.94	8.19	13.12	-3.25	9.19	1.13	30
31	3.56	8.23	11.79	-4.67	12.71	1.35	31
32	3.43	7.35	11.03	-3.92	13.28	1.31	32
33	4.31	7.48	11.79	-3.17	13.50	1.09	33
34	3.43	6.68	10.78	-3.25	13.10	1.48	34
35	3.81	5.81	10.53	-2.17	8.40	.70	35
36	3.85	6.52	10.45	-2.67	9.62	.87	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126
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EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
2	12.01	4.07	2259.00	6449.00	233.50	26070.00	2
4	13.82	4.13	1399.00	2723.00	6794.00	10770.00	4
5	11.98	5.25	2259.00	2723.00	6121.00	11100.00	5
6	12.07	3.77	2259.00	2723.00	6121.00	11100.00	6
7	13.40	8.97	2000.00	3500.00	-1449.00	15980.00	7
8	12.55	2.93	682.50	4013.00	738.50	16480.00	8
9	11.59	3.41	1399.00	2150.00	4607.00	7233.00	9
10	10.74	3.17	1686.00	2150.00	4944.00	6561.00	10
11	13.06	3.14	2116.00	2007.00	6458.00	5720.00	11
12	14.55	2.63	1973.00	2150.00	5785.00	6729.00	12
13	15.72	3.26	2116.00	2867.00	7467.00	9084.00	13
14	15.42	3.26	1829.00	3153.00	7972.00	9252.00	14
15	16.17	3.35		4900.00	7131.00	10090.00	15
16	16.30	3.41		5000.00	7803.00	12110.00	16
17	11.65	4.74	2259.00	3583.00	4439.00	11780.00	17
18	11.98	3.80	1399.00	4156.00	1916.00	14630.00	18
19	12.43	3.71	825.50	4443.00	1916.00	19010.00	19
20	11.34	4.68	1256.00	4013.00	3598.00	14970.00	20
21	11.83	4.26	2259.00	6162.00	4607.00	25740.00	21
22	9.69	3.92	2259.00	3010.00	9990.00	11270.00	22
23	12.52	3.50	1829.00	1720.00	4944.00	6224.00	23
24	12.61	3.53	2689.00	2007.00	10830.00	7401.00	24
25	12.04	3.26	2832.00	2723.00	8644.00	8242.00	25
26	12.13	3.89	1972.00	2436.00	7130.00	8074.00	26
27	11.37	5.61	3262.00	3439.00	9822.00	10090.00	27
28	11.62	4.53	2833.00	3010.00	7299.00	9925.00	28
29	12.49	6.79	3549.00	3726.00	11340.00	11270.00	29
30	13.46	5.28	4409.00	4300.00	11000.00	14970.00	30
31	13.07	4.71	2403.00	3440.00	5448.00	11780.00	31
32	14.88	6.04	1972.00	3296.00	4439.00	10430.00	32
33	14.70	2.66	1829.00	2866.00	4439.00	8074.00	33
34	15.15	4.19	2116.00	3440.00	8308.00	11610.00	34
35	9.90	4.68		4299.00	5280.00	16990.00	35
36	11.44	3.62	2116.00	7166.00	3935.00	31460.00	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	712.00	8286.00	948.50	6891.00	-3564.00	7629.00	2
4	4179.00	3382.00	3322.00	1761.00	-1172.00	4660.00	4
5	3291.00	3593.00	3475.00	2526.00	-2409.00	5732.00	5
6	3841.00	3297.00	3207.00	1952.00	-3275.00	4206.00	6
7	1642.00	5411.00	3092.00	4594.00	-2822.00	8124.00	7
8	1347.00	4861.00	2250.00	3981.00	-3069.00	4907.00	8
9	2573.00	3043.00	2518.00	3024.00	-3275.00	3216.00	9
10	2826.00	2959.00	2174.00	3904.00	-2409.00	3423.00	10
11	3122.00	3931.00	2595.00	4708.00	-3522.00	2887.00	11
12	3122.00	4270.00	2710.00	5129.00	-3729.00	3175.00	12
13	2953.00	5791.00	2173.00	6278.00	-3646.00	4330.00	13
14	2742.00	5749.00	2020.00	6278.00	-3852.00	4454.00	14
15	2995.00	6172.00	2288.00	6393.00	-3770.00	4701.00	15
16	2826.00	6426.00	1944.00	6738.00	-4017.00	5113.00	16
17	1347.00	4354.00	1523.00	3866.00	-4058.00	4330.00	17
18	120.50	5581.00	604.00	4555.00	-4141.00	5237.00	18
19	1093.00	6806.00	642.30	4517.00	-4306.00	5402.00	19
20	459.00	5834.00	719.00	4670.00	-4141.00	5484.00	20
21	1008.00	9258.00	-927.00	6163.00	-4512.00	6515.00	21
22	2277.00	4185.00	1714.00	4364.00	-3357.00	4536.00	22
23	3334.00	2705.00	2824.00	3330.00	-3399.00	3010.00	23
24	4729.00	3255.00	3858.00	3904.00	-5295.00	4165.00	24
25	3080.00	3043.00	1714.00	4287.00	-2986.00	4083.00	25
26	3418.00	3382.00	2863.00	4057.00	-4100.00	4289.00	26
27	3080.00	4143.00	2250.00	4594.00	-3770.00	5938.00	27
28	3291.00	3847.00	2288.00	3943.00	-3523.00	5113.00	28
29	3460.00	4354.00	2020.00	4134.00	-4100.00	6020.00	29
30	3799.00	4523.00	1676.00	4632.00	-4347.00	6433.00	30
31	2826.00	6595.00	2594.00	6010.00	-4594.00	5691.00	31
32	3122.00	4777.00	1982.00	5704.00	-1997.00	6391.00	32
33	2953.00	5115.00	2863.00	5512.00	-4264.00	3959.00	33
34	2869.00	5030.00	3207.00	5397.00	-4429.00	5031.00	34
35	585.50	6976.00	565.50	7963.00	-4141.00	5237.00	35
36	3207.00	8667.00	1944.00	7809.00	-1296.00	10060.00	36

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CH-46 FGR STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126

TOWW 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-1820.00	8148.00	-3293.00	15280.00	38070.00	14720.00	2
4	-4525.00	4012.00	-4919.00	10760.00	39090.00	10200.00	4
5	-5054.00	4852.00	-3292.00	9853.00	41280.00	8892.00	5
6	-5520.00	3826.00	-4558.00	10760.00	39240.00	10640.00	6
7	-4276.00	7993.00	-3112.00	14370.00	44050.00	15450.00	7
8	-3716.00	4821.00	-4196.00	10940.00	39970.00	10500.00	8
9	-3997.00	2799.00	-1936.00	11030.00	41260.00	11810.00	9
10	-3001.00	3173.00	-1846.00	9672.00	39820.00	10930.00	10
11	-3032.00	2893.00	-3563.00	12110.00	39680.00	13120.00	11
12	-4059.00	3421.00	-4196.00	13830.00	38360.00	15600.00	12
13	-4370.00	4479.00	-5371.00	16630.00	36910.00	20260.00	13
14	-4339.00	4634.00	-4829.00	16270.00	36620.00	21430.00	14
15	-3747.00	4852.00	-3925.00	18440.00	37640.00	23610.00	15
16	-4308.00	4976.00	-5823.00	19440.00	38510.00	27990.00	16
17	-4183.00	3857.00	-1123.00	11840.00	41570.00	13270.00	17
18	-4059.00	4479.00	143.00	11660.00	43320.00	13560.00	18
19	-2908.00	5505.00	-4287.00	13380.00	41130.00	13700.00	19
20	-4867.00	4665.00	-670.50	13020.00	44630.00	14290.00	20
21	-4681.00	6282.00	-3835.00	16000.00	40110.00	17350.00	21
22	-2722.00	4697.00	-1846.00	14730.00	41430.00	17200.00	22
23	-3063.00	2737.00	-2750.00	9853.00	40990.00	10640.00	23
24	-4805.00	2986.00	-2840.00	13380.00	40550.00	14290.00	24
25	-3374.00	4168.00	-2027.00	11300.00	40110.00	12680.00	25
26	-3468.00	3639.00	-2027.00	12560.00	41280.00	12970.00	26
27	-4370.00	4914.00	-1032.00	14640.00	42300.00	15160.00	27
28	-4929.00	5101.00	-1575.00	13020.00	39680.00	14870.00	28
29	-5178.00	5972.00	-1213.00	15910.00	42150.00	16180.00	29
30	-5427.00	7029.00	-3292.00	14920.00	42150.00	16470.00	30
31	-4681.00	6469.00	-2207.00	19800.00	39380.00	23030.00	31
32	-762.50	7278.00	-3112.00	16900.00	43750.00	22150.00	32
33	-5489.00	4292.00	-4015.00	15640.00	39090.00	17780.00	33
34	-5583.00	5007.00	-4648.00	16270.00	39090.00	21570.00	34
35	-4463.00	7371.00	-2840.00	15910.00	37780.00	21140.00	35
36	-4681.00	11260.00	595.00	14640.00	39090.00	18950.00	36

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126

TBW 20800 TBCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41780SDY	41780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	35360.00	17340.00	-271.50	1433.00	-901.40	1465.00	2
4	36010.00	8589.00	2.94	1098.00	-1017.00	1015.00	4
5	36170.00	8103.00	185.80	1402.00	-953.80	1120.00	5
6	37470.00	9076.00	-27.53	1006.00	-807.20	805.90	6
7	38760.00	15230.00	-88.53	1616.00	-482.80	1528.00	7
8	36170.00	11670.00	124.90	975.60	-964.20	753.60	8
9	36170.00	11670.00	-393.40	1128.00	-1372.00	1057.00	9
10	33900.00	11020.00	-393.40	1311.00	-1351.00	1120.00	10
11	33900.00	11670.00	-637.30	1982.00	-1592.00	1444.00	11
12	33740.00	16370.00	-698.30	2409.00	-1760.00	1654.00	12
13	34230.00	24960.00	-942.50	3202.00	-2011.00	2219.00	13
14	33580.00	25930.00	-1034.00	3293.00	-2084.00	2251.00	14
15	33900.00	28520.00	-851.10	3537.00	-2053.00	2303.00	15
16	33900.00	33060.00	-790.10	3720.00	-2168.00	2439.00	16
17	35680.00	12800.00	-241.00	1098.00	-1372.00	1141.00	17
18	35850.00	14910.00	-88.50	1372.00	-901.40	983.80	18
19	35850.00	16210.00	185.90	1159.00	-870.00	1162.00	19
20	38440.00	14590.00	-149.50	1433.00	-1351.00	1120.00	20
21	30170.00	20910.00	-2604.00	3826.00	-838.60	1654.00	21
22	35200.00	16210.00	-820.20	1738.00	-1477.00	1476.00	22
23	35040.00	9886.00	-362.90	1219.00	-1404.00	1109.00	23
24	32770.00	13780.00	-576.30	1433.00	-1385.00	1465.00	24
25	33580.00	12970.00	-515.30	1372.00	-1446.00	1256.00	25
26	34060.00	12160.00	-423.90	1646.00	-1592.00	1486.00	26
27	34710.00	14420.00	-454.40	1860.00	-1603.00	1790.00	27
28	34870.00	14590.00	-393.40	1372.00	-1634.00	1402.00	28
29	35520.00	16530.00	-362.90	1768.00	-1488.00	1737.00	29
30	33740.00	17990.00	-180.00	1646.00	-1467.00	1591.00	30
31	36170.00	23340.00	-576.30	2713.00	-1456.00	1936.00	31
32	37790.00	24960.00	-210.50	2835.00	-1896.00	2104.00	32
33	33580.00	19450.00	-759.30	2652.00	-2042.00	1894.00	33
34	35850.00	25930.00	-1156.00	2683.00	-1802.00	2114.00	34
35	30500.00	24150.00	-1308.00	3019.00	-1833.00	2020.00	35
36	36170.00	23340.00	2.94	2073.00	-985.20	1716.00	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 126
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-16.53	818.50	1078.00	706.10	1010.00	477.70	2
4	-295.40	557.60	900.00	260.10	838.60	291.10	4
5	-556.20	674.60	914.80	304.70	890.80	358.30	5
6	-196.40	458.70	900.00	289.90	943.10	261.30	6
7	-52.50	872.40	1123.00	408.80	883.40	515.00	7
8	-187.40	503.70	1071.00	431.10	928.20	306.00	8
9	-232.40	584.60	996.60	163.50	935.60	209.00	9
10	-232.40	620.60	974.30	141.20	875.90	223.90	10
11	-340.30	800.50	937.20	163.50	935.60	209.00	11
12	-376.30	998.40	900.00	200.70	928.10	231.40	12
13	-412.30	1196.00	900.00	289.90	950.60	298.60	13
14	-448.30	1196.00	885.10	260.10	950.50	313.50	14
15	-448.30	1250.00	870.30	304.80	958.00	335.90	15
16	-484.30	1286.00	892.60	312.20	943.10	350.80	16
17	-340.30	638.60	1049.00	289.90	995.30	283.60	17
18	-169.40	647.60	1078.00	408.80	987.90	320.90	18
19	-97.50	701.60	1019.00	527.70	1010.00	328.40	19
20	-331.30	737.50	1078.00	408.80	1018.00	365.70	20
21	-88.47	818.50	974.30	735.80	1003.00	425.50	21
22	-313.40	683.60	1026.00	223.00	958.00	291.10	22
23	-196.40	656.60	1011.00	148.70	935.60	209.00	23
24	-592.20	782.50	803.40	193.30	1055.00	268.70	24
25	-313.40	683.60	929.70	171.00	943.10	276.20	25
26	-448.30	728.50	885.10	185.80	965.50	283.70	26
27	-538.20	1034.00	981.80	252.70	987.80	365.70	27
28	-385.30	719.50	907.40	267.60	950.50	328.40	28
29	-610.20	926.40	907.40	297.30	1003.00	380.70	29
30	-817.00	971.40	870.30	364.20	1025.00	418.00	30
31	-286.40	1232.00	892.50	341.90	995.30	403.10	31
32	-430.30	1214.00	922.30	327.00	1070.00	432.90	32
33	-430.30	1088.00	922.30	267.60	995.30	268.70	33
34	-250.40	1178.00	848.00	327.00	1040.00	343.30	34
35	-412.30	1106.00	1019.00	468.30	1018.00	350.80	35
36	118.40	845.40	959.40	825.00	823.70	604.60	36

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AIRCRAFT SLP1 FLIGHT 126
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/11/77

EVENT	41860SDY	41860ALT	EVENT
2	15350.00	10760.00	2
4	957.00	9334.00	4
5	-858.50	7001.00	5
6	3550.00	11930.00	6
7	3291.00	9594.00	7
8	6402.00	7779.00	8
9	17160.00	6612.00	9
10	23380.00	5575.00	10
11	9513.00	8297.00	11
12	2253.00	9334.00	12
13	-858.50	10630.00	13
14	308.50	10500.00	14
15	-4229.00	11670.00	15
16	-1248.00	13870.00	16
17	19370.00	7520.00	17
18	18850.00	8038.00	18
19	19750.00	10500.00	19
20	16640.00	8686.00	20
21	20400.00	10890.00	21
22	34920.00	9075.00	22
23	14000.00	6223.00	23
24	-5007.00	10110.00	24
25	14050.00	7131.00	25
26	12370.00	7001.00	26
27	21570.00	7909.00	27
28	12110.00	8816.00	28
29	15350.00	9723.00	29
30	25460.00	9205.00	30
31	5494.00	13610.00	31
32	-1247.00	10760.00	32
33	-340.00	11150.00	33
34	697.50	12450.00	34
35	13010.00	8945.00	35
36	14700.00	12190.00	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127

TBGM 20800 TBCR 9.7 AFT FLIGHT DATE 08/15/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	3.86	7.06	10.92	-3.21	9.61	.61	2
3	3.86	8.07	12.01	-4.21	10.66	.70	3
4	3.73	8.11	12.01	-4.38	10.18	.74	4
5	3.94	8.07	12.01	-4.13	11.96	.87	5
6	3.73	7.94	11.67	-4.21	11.61	1.04	6
7	3.86	6.98	10.84	-3.12	10.14	.70	7
8	3.86	7.15	11.00	-3.29	9.05	.74	8
9	3.61	5.56	9.16	-1.95	7.39	.57	9
10	3.61	6.81	10.59	-3.21	13.31	1.00	10
11	4.44	6.65	11.09	-2.62	10.22	1.04	11
12	3.19	7.65	10.84	-4.46	11.61	.96	12

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/15/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
2	10.89	3.46	1577.00	1865.00	4205.00	5551.00	2
3	11.94	3.49	1864.00	1865.00	6055.00	5383.00	3
4	11.58	3.55	2294.00	2008.00	6055.00	5719.00	4
5	13.68	3.13	2007.00	2008.00	6055.00	5719.00	5
6	13.35	4.00	1720.00	2295.00	5214.00	6897.00	6
7	11.04	3.19	2151.00	2152.00	5214.00	6897.00	7
8	10.59	4.72	1864.00	2725.00	4373.00	9084.00	8
9	7.94	3.46	2151.00	3299.00	4373.00	9756.00	9
10	14.35	3.61	2008.00	3156.00	7233.00	9252.00	10
11	12.33	4.30	1721.00	3443.00	7233.00	12280.00	11
12	8.24	3.46	572.50	7172.00	840.50	28090.00	12

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AIRCRAFT SLP1 FLIGHT 127
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/15/77

EVFNT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	2492.00	2832.00	2247.00	3180.00	-2862.00	3288.00	2
3	2999.00	3170.00	2668.00	3908.00	-3320.00	3162.00	3
4	2830.00	3509.00	2515.00	4368.00	-3237.00	3329.00	4
5	3084.00	3593.00	2937.00	4329.00	-3819.00	3163.00	5
6	2703.00	4143.00	2515.00	4751.00	-3778.00	3121.00	6
7	2619.00	3804.00	2285.00	4674.00	-3694.00	3121.00	7
8	2576.00	4101.00	1634.00	5019.00	-3445.00	3454.00	8
9	1139.00	4439.00	407.50	5326.00	-2404.00	3246.00	9
10	2703.00	5496.00	2094.00	6015.00	-3902.00	4328.00	10
11	1477.00	5961.00	1059.00	6820.00	-5151.00	4161.00	11
12	-1271.00	8540.00	-473.50	7893.00	-4153.00	8739.00	12

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
TSGW 20800 TSCR 9.7 AFT FLIGHT DATE 08/15/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-3703.00	2829.00	-1460.00	9485.00	43440.00	10800.00	2
3	-3236.00	3420.00	-1912.00	9756.00	43140.00	10800.00	3
4	-3050.00	3606.00	-2092.00	9756.00	42410.00	10650.00	4
5	-3516.00	3078.00	-2002.00	11830.00	41980.00	12250.00	5
6	-3485.00	3482.00	-2635.00	12650.00	42560.00	14300.00	6
7	-2770.00	3575.00	-1641.00	11110.00	42850.00	11380.00	7
8	-2148.00	4197.00	-2093.00	12650.00	43140.00	12250.00	8
9	-2739.00	3606.00	-2364.00	10210.00	42120.00	11520.00	9
10	-3920.00	5098.00	-3538.00	15900.00	39350.00	20720.00	10
11	-3858.00	5533.00	-3267.00	16530.00	37160.00	20860.00	11
12	-625.50	10010.00	-4893.00	16890.00	39500.00	18240.00	12

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
TCGW 20800 TCCR 9.7 AFT FLIGHT DATE 08/15/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	40580.00	10390.00	-275.00	1157.00	-1217.00	1089.00	2
3	38960.00	10710.00	-396.80	1462.00	-1416.00	1247.00	3
4	38150.00	10550.00	-488.20	1675.00	-1406.00	1362.00	4
5	38960.00	10710.00	-518.60	1766.00	-1542.00	1393.00	5
6	39770.00	13790.00	-640.40	2071.00	-1657.00	1550.00	6
7	39280.00	9413.00	-579.50	1705.00	-1448.00	1299.00	7
8	39770.00	10550.00	-488.20	1675.00	-1291.00	1351.00	8
9	39280.00	11040.00	-366.30	1797.00	-1008.00	1278.00	9
10	39120.00	22880.00	-975.40	2954.00	-1825.00	2011.00	10
11	34740.00	24340.00	-1311.00	3045.00	-1972.00	1990.00	11
12	35550.00	19960.00	-244.60	1918.00	-913.50	1519.00	12

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
TGGW 20800 TCCG 9.7 AFT FLIGHT DATE 08/15/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-201.90	576.30	1023.00	141.30	915.30	216.60	2
3	-301.00	657.30	985.40	148.80	922.80	209.10	3
4	-310.00	702.30	970.50	163.60	937.70	224.10	4
5	-364.00	792.40	955.60	148.80	937.70	209.10	5
6	-400.00	900.40	948.20	200.80	967.60	209.10	6
7	-310.00	720.30	985.40	163.60	945.20	216.60	7
8	-319.00	783.30	933.30	260.30	937.70	224.10	8
9	-147.90	666.30	1015.00	267.80	900.30	201.70	9
10	-418.00	1117.00	940.80	252.90	960.10	291.30	10
11	-382.00	1044.00	970.50	357.00	1057.00	268.90	11
12	158.30	972.40	1238.00	743.70	855.50	545.20	12

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 127
TGW 20800 TCCR 9.7 AFT FLIGHT DATE 08/15/77

EVENT	41860SDY	41860ALT	FVENT
2	23010.00	5445.00	2
3	16260.00	6482.00	3
4	14140.00	6352.00	4
5	9654.00	7908.00	5
6	12380.00	9593.00	6
7	21710.00	6482.00	7
8	27150.00	7260.00	8
9	38170.00	5833.00	9
10	5246.00	10760.00	10
11	16780.00	10890.00	11
12	17690.00	12310.00	12

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128

TSGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	4.15	6.72	10.87	-2.66	10.38	.65	2
4	3.98	6.72	10.70	-2.74	11.98	.78	4
5	4.02	6.09	10.11	-2.32	12.68	.87	5
6	3.77	7.26	11.03	-3.49	13.67	1.34	6
7	3.98	7.14	11.20	-3.16	13.89	1.04	7
8	3.94	6.93	10.87	-2.99	13.98	.95	8
9	3.77	7.60	11.37	-3.83	14.02	1.26	9
10	3.94	7.76	11.70	-3.83	13.76	1.34	10
11	4.02	5.51	9.53	-1.49	14.37	.91	11
12	4.15	6.05	10.20	-2.24	13.93	1.17	12
13	3.98	6.39	10.45	-2.41	13.59	.91	13
14	4.02	6.76	10.78	-2.74	14.19	1.00	14

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 123
TGGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
2	2408.00	2153.00	5067.00	6727.00	2
4	973.00	3588.00	6580.00	6558.00	4
5	-1036.00	5597.00	7084.00	7735.00	5
6	4848.00	4306.00	5908.00	8240.00	6
7	686.00	4162.00	6748.00	9080.00	7
8	3843.00	4162.00	7757.00	9080.00	8
9	399.00	5023.00	7085.00	9417.00	9
10	-175.00	5310.00	8262.00	11270.00	10
11	4417.00	4736.00	7421.00	9417.00	11
12	-1754.00	6028.00	8262.00	10590.00	12
13	3126.00	3158.00	6412.00	8072.00	13
14	-1180.00	6028.00	7421.00	9081.00	14

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	3217.00	3250.00	2343.00	4212.00	-2872.00	3414.00	2
4	3259.00	4052.00	2535.00	5322.00	-3996.00	2790.00	4
5	3175.00	4981.00	2267.00	5973.00	-3954.00	3581.00	5
6	3301.00	5108.00	2650.00	5744.00	-3955.00	3997.00	6
7	3470.00	5530.00	2650.00	6050.00	-3996.00	4372.00	7
8	3343.00	5657.00	2497.00	6203.00	-4038.00	4497.00	8
9	3217.00	5868.00	2267.00	6280.00	-4121.00	4663.00	9
10	2963.00	6797.00	1807.00	7199.00	-4246.00	5204.00	10
11	3344.00	5572.00	2535.00	6088.00	-3996.00	4622.00	11
12	2964.00	6121.00	1922.00	6625.00	-4288.00	5079.00	12
13	3385.00	4855.00	2650.00	5590.00	-3705.00	3747.00	13
14	3428.00	5488.00	2573.00	6127.00	-3954.00	4497.00	14

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-3248.00	3268.00	-1189.00	10120.00	41280.00	11800.00	2
4	-3186.00	3455.00	-3087.00	13290.00	39670.00	15440.00	4
5	-4399.00	4420.00	-3719.00	14460.00	37930.00	17770.00	5
6	-4804.00	4700.00	-3900.00	16630.00	39960.00	19220.00	6
7	-4649.00	4793.00	-3810.00	17080.00	38070.00	20530.00	7
8	-4555.00	4825.00	-3719.00	17530.00	40400.00	20830.00	8
9	-4493.00	5198.00	-4081.00	17530.00	38950.00	21410.00	9
10	-4119.00	5696.00	-4623.00	20070.00	38360.00	25490.00	10
11	-5178.00	5198.00	-4804.00	16810.00	38220.00	21850.00	11
12	-5085.00	5852.00	-4623.00	18080.00	37930.00	23300.00	12
13	-4368.00	4202.00	-3629.00	14910.00	39530.00	17910.00	13
14	-4649.00	4980.00	-4262.00	16630.00	38070.00	19950.00	14

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128
TGGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	41780SDY	61780ALT	41790SDY	41790ALT	41800SDY	41800ALT	EVENT
2	34290.00	11400.00	-217.90	1645.00			2
4	34450.00	14530.00	-553.00	2224.00			4
5	33960.00	19980.00	-888.10	2803.00			5
6	34780.00	22130.00	-431.10	3199.00			6
7	34450.00	23450.00	-278.80	3534.00			7
8	34950.00	24940.00	-918.80	3199.00			8
9	36930.00	27250.00	-278.80	3778.00			9
10	34780.00	30390.00	-1163.00	3869.00			10
11	34950.00	26260.00	-370.20	3382.00			11
12	34950.00	28570.00	-674.80	3808.00			12
13	35280.00	19980.00	-370.20	2955.00			13
14	34620.00	23290.00	-492.10	3504.00			14

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AIRCRAFT SLP1 FLIGHT 128
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-347.40	630.40	1214.00	386.80	940.50	224.10	2
4	-311.40	954.60	1169.00	401.70	962.90	201.70	4
5	-410.50	1162.00	960.70	505.80	1000.00	253.90	5
6	-383.40	1225.00	1139.00	490.90	1023.00	336.10	6
7	-392.50	1306.00	1035.00	461.20	962.90	306.20	7
8	-455.50	1279.00	1124.00	505.80	977.80	321.20	8
9	-392.50	1288.00	997.80	572.70	1045.00	358.50	9
10	-527.50	1387.00	968.10	602.50	992.80	351.00	10
11	-437.50	1351.00	1095.00	476.00	985.30	328.60	11
12	-419.50	1369.00	1072.00	468.60	985.30	358.50	12
13	-428.50	1144.00	930.90	401.70	970.40	268.90	13
14	-365.40	1333.00	1147.00	513.20	955.40	313.70	14

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 128

TGGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/18/77

EVENT	41860SDY	41860ALT	EVENT
2	20750.00	5831.00	2
4	10390.00	8941.00	4
5	5463.00	10240.00	5
6	-109.00	12960.00	6
7	-6070.00	16850.00	7
8	-6588.00	14250.00	8
9	-6848.00	14770.00	9
10	-5034.00	17880.00	10
11	-11380.00	16980.00	11
12	-8402.00	15550.00	12
13	-2442.00	11140.00	13
14	-7495.00	16200.00	14

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
3	4.06	4.53	8.59	-0.56	12.11	.43	3
4	4.23	4.28	8.50	-0.05	12.20	.35	4
5	4.18	4.49	8.76	-0.31	12.42	.48	5
6	4.10	4.57	8.92	-0.47	12.20	.43	6
7	4.06	6.46	10.52	-2.40	10.29	.61	7
8	3.97	6.54	10.52	-2.57	9.81	.65	8
9	3.81	6.63	10.43	-2.82	9.51	.61	9
10	3.93	6.59	10.52	-2.74	9.38	.56	10
11	4.02	7.76	11.78	-3.75	9.72	.74	11
12	4.10	7.01	11.10	-2.91	9.64	.65	12
13	3.93	6.84	10.85	-2.91	9.85	.61	13
14	3.93	6.67	10.60	-2.74	9.85	.61	14
15	4.06	6.63	10.69	-2.57	10.33	.56	15
16	3.72	6.88	10.77	-3.16	11.03	.65	16

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
3	12.11	3.08	4217.00	5304.00	2465.00	13630.00	3
4	12.47	3.02	1494.00	3154.00	1960.00	11780.00	4
5	12.47	2.96	1780.00	2867.00	3306.00	12110.00	5
6	12.62	2.93	2497.00	2724.00	5661.00	10770.00	6
7	10.70	3.35	2067.00	2580.00	4483.00	7234.00	7
8	10.28	3.41	1637.00	3584.00	2633.00	10770.00	8
9	9.86	3.53	2354.00	3727.00	614.00	11100.00	9
10	9.78	3.50	2497.00	4730.00	109.50	13630.00	10
11	10.34	4.43	2067.00	2580.00	5324.00	8075.00	11
12	10.01	3.80	2497.00	2724.00	4483.00	7907.00	12
13	10.28	3.53	2497.00	2437.00	4483.00	7234.00	13
14	10.31	3.32	2497.00	2150.00	5493.00	6898.00	14
15	10.70	3.17	2640.00	2007.00	6165.00	5888.00	15
16	11.57	2.90	2784.00	1864.00	5492.00	5888.00	16

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TEGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
3	1510.00	3631.00	3577.00	3947.00	-1944.00	2956.00	3
4	2143.00	3336.00	2389.00	2376.00	-2569.00	2997.00	4
5	2776.00	3294.00	2159.00	2759.00	-2027.00	2956.00	5
6	2692.00	3040.00	2811.00	3334.00	-1903.00	3330.00	6
7	1932.00	3293.00	2313.00	2912.00	-3484.00	3081.00	7
8	1045.00	4265.00	1431.00	3564.00	-3568.00	4079.00	8
9	1298.00	4265.00	1278.00	3947.00	-3734.00	3746.00	9
10	1130.00	4771.00	779.60	4368.00	-3776.00	3871.00	10
11	2861.00	3800.00	2160.00	4215.00	-3027.00	4204.00	11
12	2734.00	3505.00	2045.00	4100.00	-2901.00	3913.00	12
13	2818.00	3167.00	2006.00	3832.00	-2777.00	3538.00	13
14	2903.00	2998.00	2274.00	3794.00	-2735.00	3247.00	14
15	3156.00	2829.00	2275.00	3487.00	-2777.00	3122.00	15
16	3072.00	3673.00	2505.00	4560.00	-3442.00	3039.00	16

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
3	-3058.00	3456.00	-3174.00	10200.00	36270.00	9776.00	3
4	-4179.00	3953.00	-2723.00	9211.00	36120.00	9630.00	4
5	-4397.00	3238.00	-4168.00	9572.00	35690.00	10360.00	5
6	-4085.00	3113.00	-4258.00	9843.00	38750.00	11090.00	6
7	-3556.00	3020.00	-2362.00	9572.00	39330.00	10210.00	7
8	-3961.00	3611.00	-2904.00	10660.00	38750.00	10800.00	8
9	-3369.00	4203.00	-2723.00	10290.00	38750.00	10800.00	9
10	-2685.00	5074.00	-2994.00	11110.00	38310.00	11230.00	10
11	-3680.00	4016.00	-1820.00	9753.00	38310.00	9775.00	11
12	-2996.00	3829.00	-2271.00	9301.00	38020.00	10360.00	12
13	-3027.00	3238.00	-1910.00	9482.00	38310.00	10360.00	13
14	-3058.00	3331.00	-2181.00	9030.00	37870.00	10210.00	14
15	-3369.00	3082.00	-1910.00	9482.00	38310.00	10940.00	15
16	-3120.00	3580.00	-2271.00	10570.00	38170.00	10800.00	16

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	41780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
3	30220.00	12240.00	268.50	1402.00	-977.40	848.20	3
4	31380.00	12400.00	-737.30	1128.00	-1134.00	733.00	4
5	31210.00	12570.00	-828.70	1341.00	-1145.00	764.40	5
6	33200.00	13560.00	634.20	1402.00	-987.80	670.20	6
7	33360.00	10420.00	-310.60	1067.00	-1208.00	994.80	7
8	32210.00	11240.00	-249.60	1006.00	-1187.00	931.90	8
9	32210.00	10580.00	-402.00	1036.00	-1134.00	879.60	9
10	31540.00	10910.00	-402.10	1097.00	-1019.00	952.80	10
11	30220.00	9921.00	-584.90	1341.00	-1354.00	1204.00	11
12	30720.00	10420.00	-523.90	1341.00	-1281.00	1089.00	12
13	31210.00	10250.00	-523.90	1280.00	-1260.00	1110.00	13
14	31380.00	10090.00	-523.90	1341.00	-1271.00	1120.00	14
15	32040.00	10420.00	-584.90	1341.00	-1333.00	1120.00	15
16	30880.00	9922.00	-615.40	1676.00	-1480.00	1309.00	16

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 132
TSGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
3	-306.40	477.10	1311.00	513.60	878.40	209.20	3
4	-243.40	414.10	842.50	342.40	923.20	209.20	4
5	-234.40	423.10	738.30	416.80	870.90	216.60	5
6	-189.40	522.10	1237.00	483.80	870.90	231.60	6
7	-225.40	540.10	1029.00	186.10	960.60	231.60	7
8	-189.40	540.10	1103.00	290.30	990.40	306.30	8
9	-117.40	612.10	1110.00	268.00	997.90	254.00	9
10	-45.34	702.20	1148.00	320.10	1020.00	261.40	10
11	-252.40	639.10	969.10	215.90	960.60	291.30	11
12	-234.40	639.10	984.00	186.10	908.30	254.00	12
13	-153.40	594.10	991.40	178.70	915.80	246.50	13
14	-162.40	585.10	976.50	148.90	908.30	239.00	14
15	-193.40	585.10	961.60	134.00	923.20	224.10	15
16	-324.40	639.20	946.80	163.80	960.60	216.60	16

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AIRCRAFT SLP1 FLIGHT 132
TEGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/24/77

EVENT	41860SDY	41860ALT	EVENT
3	3353.00	9854.00	3
4	4594.00	5235.00	4
5	4649.00	6483.00	5
6	4908.00	6742.00	6
7	20470.00	5705.00	7
8	23320.00	6742.00	8
9	24490.00	6353.00	9
10	25520.00	6613.00	10
11	22800.00	6483.00	11
12	24360.00	5705.00	12
13	21890.00	5575.00	13
14	22280.00	5446.00	14
15	19950.00	5446.00	15
16	15930.00	6353.00	16

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	3.67	4.79	8.46	-1.21	11.41	.47	2
3	3.67	4.63	8.30	-.96	11.45	.42	3
4	3.42	4.30	7.88	-.88	11.54	.42	4
5	3.92	4.63	8.63	-.96	11.75	.47	5
6	3.59	6.45	10.11	-2.86	9.13	.63	6
7	3.50	6.11	9.70	-2.61	8.83	.59	7
8	3.50	6.45	9.95	-2.94	9.09	.59	8
9	3.59	6.53	10.11	-2.94	8.79	.63	9
10	3.67	6.78	10.45	-3.19	10.10	.68	10
11	3.63	7.06	10.69	-3.44	10.06	.72	11
12	3.55	6.82	10.45	-3.27	9.59	.68	12
13	3.55	6.82	10.36	-3.27	9.85	.68	13
14	3.34	6.44	9.78	-3.11	12.43	.80	14
15	3.50	7.44	10.94	-3.93	12.26	.97	15
16	3.46	6.49	9.95	-3.02	12.30	.85	16
17	3.63	7.73	11.35	-4.10	11.75	1.23	17
18	3.42	6.78	10.20	-3.35	11.92	.89	18
19	3.46	7.40	10.86	-3.93	11.37	1.10	19
20	3.46	6.49	9.95	-3.02	13.61	.89	20
21	3.63	7.06	10.69	-3.52	12.89	1.10	21
22	3.42	7.85	11.27	-4.43	13.27	1.06	22
23	3.42	6.61	10.11	-3.19	13.31	.93	23
24	3.38	7.31	10.69	-3.93	13.06	1.18	24
25	3.34	6.86	10.28	-3.52	13.23	.93	25
26	3.59	7.77	11.35	-4.18	12.93	1.31	26
27	3.46	6.65	10.11	-3.27	13.65	.93	27
28	3.46	6.65	10.11	-3.27	13.74	.93	28
29	3.50	6.36	9.95	-2.86	9.25	.59	29
30	3.63	6.40	10.03	-2.78	9.25	.59	30
31	3.63	6.49	10.11	-2.86	9.09	.59	31
32	3.63	6.90	10.53	-3.27	8.96	.63	32
33	3.50	6.86	10.36	-3.35	8.79	.63	33
34	3.67	7.02	10.78	-3.35	8.70	.63	34
35	3.67	6.86	10.53	-3.19	8.92	.59	35
36	3.71	6.82	10.53	-3.11	9.34	.59	36
37	3.67	6.69	10.36	-3.02	9.34	.59	37
38	3.63	6.65	10.28	-3.02	9.47	.55	38
39	3.63	6.32	9.95	-2.69	9.89	.63	39
40	3.59	6.36	9.95	-2.78	9.85	.68	40
41	3.63	6.49	10.11	-2.86	9.80	.63	41
42	3.63	6.49	10.20	-2.86	9.68	.68	42
43	3.63	6.24	9.95	-2.61	10.14	.63	43
44	3.55	6.32	9.87	-2.86	11.88	.76	44
45	3.46	6.24	9.78	-2.86	11.88	.76	45
46	3.34	7.11	10.53	-3.77	11.24	.97	46
47	3.50	6.20	9.70	-2.69	11.79	.76	47
48	3.67	7.11	10.78	-3.60	11.24	.97	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TEGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
49	3.50	6.61	10.11	-3.11	11.58	.80	49
50	3.34	7.44	10.78	-4.10	11.11	1.02	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TCGW 20800 TCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
2	11.83	3.09	4933.00	3438.00	523.00	14340.00	2
3	11.89	2.91	6222.00	3008.00	692.00	13160.00	3
4	12.30	2.97	6795.00	2435.00	2885.00	14340.00	4
5	12.18	3.14	6795.00	2435.00	2717.00	14170.00	5
6	9.91	3.32	7940.00	1289.00	2211.00	8942.00	6
7	9.71	3.23	8084.00	1146.00	2885.00	8604.00	7
8	9.80	3.43	7797.00	1432.00	2211.00	10630.00	8
9	9.80	3.38	7797.00	1432.00	3392.00	11130.00	9
10	11.05	2.88	8656.00	573.00	6428.00	6411.00	10
11	10.93	3.23	8656.00	573.00	6259.00	6917.00	11
12	10.41	3.35	8370.00	859.50	5079.00	7761.00	12
13	10.64	3.17	8370.00	859.50	5585.00	7592.00	13
14	13.84	2.65	8513.00	716.00	6765.00	7423.00	14
15	13.26	3.11	8370.00	859.50	6934.00	8267.00	15
16	13.72	2.76	8513.00	716.00	6428.00	7761.00	16
17	13.35	4.19	8227.00	1003.00	6934.00	9954.00	17
18	13.32	3.23	8513.00	716.00	6765.00	8098.00	18
19	12.94	4.02	8370.00	859.50	6765.00	9785.00	19
20	15.30	2.94	8227.00	1003.00	6260.00	8267.00	20
21	14.92	3.32	8084.00	1146.00	5922.00	9279.00	21
22	15.00	3.93	7940.00	1289.00	6091.00	10120.00	22
23	15.24	3.00	8227.00	1003.00	6259.00	8604.00	23
24	14.97	3.61	8227.00	1003.00	8115.00	9110.00	24
25	15.03	3.32	8084.00	1146.00	7272.00	8942.00	25
26	14.65	4.04	8084.00	1146.00	8959.00	10290.00	26
27	15.24	2.94	8084.00	1146.00	6597.00	8604.00	27
28	15.50	2.85	8084.00	1146.00	6428.00	8435.00	28
29	10.61	3.14	8227.00	1003.00	354.50	9448.00	29
30	10.73	3.14	8370.00	859.50	354.50	9111.00	30
31	10.49	3.32	8370.00	859.50	691.50	9448.00	31
32	10.38	3.55	8370.00	859.50	1030.00	10460.00	32
33	10.17	3.40	7940.00	1289.00	691.50	13500.00	33
34	10.09	3.67	8800.00	429.50	3223.00	8605.00	34
35	10.35	3.46	8800.00	429.50	2379.00	8098.00	35
36	10.67	3.26	9086.00	143.00	3729.00	6411.00	36
37	10.67	3.32	9086.00	143.00	2717.00	6411.00	37
38	10.79	3.09	9229.00		4066.00	5736.00	38
39	11.25	2.50	9229.00		5585.00	6243.00	39
40	11.25	2.68	9086.00	143.00	4573.00	6580.00	40
41	11.25	2.85	9086.00	143.00	4910.00	7255.00	41
42	11.02	2.85	8800.00	429.50	3560.00	8942.00	42
43	11.48	2.21	9229.00		5922.00	6242.00	43
44	14.04	2.79	8943.00	286.50	5753.00	8773.00	44
45	14.07	2.82	9086.00	143.00	4910.00	7930.00	45
46	14.02	3.64	8943.00	286.50	5753.00	8435.00	46
47	13.87	3.03	9086.00	143.00	5247.00	8267.00	47
48	13.44	3.73	9086.00	143.00	7440.00	9110.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
49	13.69	3.26	9086.00	143.00	5416.00	8773.00	49
50	13.46	4.60	8800.00	429.50	6091.00	10120.00	50

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AIRCRAFT SLP1 FLIGHT 133
TSGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	1705.00	4449.00	2025.00	3989.00	-2033.00	4041.00	2
3	1874.00	4110.00	1679.00	3491.00	-1867.00	3541.00	3
4	2128.00	4280.00	1296.00	3567.00	-2075.00	3416.00	4
5	1831.00	4831.00	3329.00	3069.00	-2117.00	3291.00	5
6	1747.00	3814.00	1603.00	3644.00	-3325.00	3499.00	6
7	1238.00	4068.00	1449.00	3568.00	-3408.00	3416.00	7
8	1154.00	4322.00	1296.00	3874.00	-3450.00	3874.00	8
9	1154.00	4407.00	1181.00	4066.00	-3575.00	3583.00	9
10	3018.00	3644.00	2216.00	4872.00	-3033.00	3208.00	10
11	3103.00	3729.00	2293.00	4872.00	-3325.00	3249.00	11
12	3061.00	3856.00	1948.00	5140.00	-3158.00	3666.00	12
13	2976.00	3941.00	1986.00	5332.00	-3366.00	3458.00	13
14	3103.00	4492.00	2370.00	5562.00	-3742.00	3416.00	14
15	3272.00	4831.00	2293.00	5793.00	-4075.00	3583.00	15
16	3018.00	4661.00	2408.00	5601.00	-3741.00	3500.00	16
17	2764.00	5339.00	2025.00	6445.00	-3950.00	3708.00	17
18	3018.00	4577.00	2140.00	5639.00	-3866.00	3375.00	18
19	2594.00	5424.00	1488.00	6445.00	-4116.00	3708.00	19
20	3230.00	5212.00	2677.00	5716.00	-3908.00	4249.00	20
21	3103.00	5932.00	2485.00	6215.00	-4199.00	4708.00	21
22	3230.00	6823.00	2715.00	6215.00	-4949.00	5041.00	22
23	3357.00	5255.00	2600.00	5793.00	-3908.00	4333.00	23
24	3145.00	5721.00	2370.00	6023.00	-4116.00	4458.00	24
25	3357.00	5424.00	2523.00	5946.00	-3866.00	4375.00	25
26	3230.00	5890.00	2332.00	6522.00	-3991.00	4583.00	26
27	3272.00	5424.00	2638.00	5831.00	-3950.00	4291.00	27
28	3188.00	5678.00	2677.00	5792.00	-4033.00	4541.00	28
29	1450.00	3772.00	1603.00	3414.00	-3325.00	3583.00	29
30	1535.00	3602.00	1795.00	3222.00	-3283.00	3458.00	30
31	1662.00	3814.00	1641.00	3683.00	-3492.00	3666.00	31
32	1408.00	4153.00	1680.00	3951.00	-3617.00	3791.00	32
33	1027.00	4534.00	1027.00	4297.00	-3575.00	3999.00	33
34	2552.00	3517.00	1910.00	3874.00	-2408.00	4000.00	34
35	2637.00	3263.00	1987.00	3644.00	-2491.00	3833.00	35
36	2637.00	2924.00	2293.00	3338.00	-2742.00	3416.00	36
37	2552.00	3009.00	2370.00	3030.00	-2783.00	3208.00	37
38	2722.00	2754.00	2524.00	3107.00	-2700.00	3125.00	38
39	3018.00	3390.00	2600.00	4335.00	-3158.00	3250.00	39
40	3018.00	3475.00	2485.00	4373.00	-3117.00	3291.00	40
41	3145.00	3687.00	2562.00	4603.00	-3200.00	3541.00	41
42	3230.00	3771.00	2485.00	4757.00	-3325.00	3833.00	42
43	3188.00	3305.00	2600.00	4258.00	-3116.00	3125.00	43
44	2976.00	4534.00	2639.00	5140.00	-3450.00	3541.00	44
45	2933.00	4407.00	2715.00	4987.00	-3492.00	3416.00	45
46	3018.00	4661.00	2447.00	5485.00	-3783.00	3625.00	46
47	3060.00	4280.00	2792.00	4910.00	-3700.00	3374.00	47
48	3315.00	4619.00	2332.00	5677.00	-4158.00	3833.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
49	3018.00	4407.00	2562.00	5217.00	-3658.00	3500.00	49
50	2976.00	5127.00	2140.00	6099.00	-3991.00	4083.00	50

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CH-46 FGR STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TORGW 20800 TORG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-3796.00	4048.00	-2293.00	11100.00	37510.00	10680.00	2
3	-3484.00	4110.00	-1029.00	10020.00	38830.00	11700.00	3
4	-5041.00	4110.00	-3376.00	9660.00	36050.00	9507.00	4
5	-4480.00	3425.00	-3917.00	10560.00	36920.00	10970.00	5
6	-3142.00	3394.00	-2112.00	10740.00	41750.00	11990.00	6
7	-3609.00	3300.00	-1300.00	10110.00	41750.00	10820.00	7
8	-3297.00	3861.00	-1931.00	10740.00	41020.00	11260.00	8
9	-2924.00	4109.00	-1570.00	10920.00	41750.00	11120.00	9
10	-2737.00	3985.00	-2473.00	11100.00	38970.00	11850.00	10
11	-2768.00	4390.00	-2022.00	11010.00	39850.00	11550.00	11
12	-2644.00	4514.00	-1841.00	11190.00	39700.00	11410.00	12
13	-2768.00	4452.00	-2112.00	11650.00	39560.00	12140.00	13
14	-4293.00	4359.00	-3286.00	13720.00	38090.00	16530.00	14
15	-3453.00	4763.00	-3556.00	14350.00	37360.00	17260.00	15
16	-4231.00	4670.00	-3286.00	13720.00	38090.00	16820.00	16
17	-4076.00	5697.00	-3918.00	15080.00	37510.00	17990.00	17
18	-3578.00	4763.00	-3195.00	13810.00	38680.00	16530.00	18
19	-3982.00	5355.00	-3827.00	15170.00	38390.00	18280.00	19
20	-4605.00	4358.00	-3737.00	15620.00	37660.00	19010.00	20
21	-4667.00	4608.00	-3195.00	17060.00	37950.00	21350.00	21
22	-4947.00	5262.00	-2834.00	19950.00	38970.00	23840.00	22
23	-4760.00	4826.00	-3647.00	15710.00	38390.00	19160.00	23
24	-4636.00	4950.00	-3737.00	16160.00	38530.00	20770.00	24
25	-4823.00	5012.00	-3827.00	15710.00	37800.00	19450.00	25
26	-4854.00	5666.00	-4278.00	17960.00	38090.00	21210.00	26
27	-4760.00	4577.00	-4098.00	15620.00	37660.00	19300.00	27
28	-4761.00	4452.00	-4098.00	16160.00	38390.00	19740.00	28
29	-3204.00	3580.00	-1661.00	9750.00	43800.00	9945.00	29
30	-3609.00	3300.00	-1119.00	9208.00	43650.00	9799.00	30
31	-3359.00	3923.00	-1570.00	9840.00	43510.00	9653.00	31
32	-2768.00	4452.00	-1931.00	10200.00	42770.00	10090.00	32
33	-2426.00	4981.00	-2202.00	10650.00	42040.00	10240.00	33
34	-2923.00	3674.00	-577.00	10110.00	42340.00	10530.00	34
35	-2924.00	3611.00	-938.00	9569.00	42920.00	10530.00	35
36	-3079.00	3394.00	-1209.00	9479.00	42190.00	10380.00	36
37	-3111.00	3051.00	-938.00	9930.00	42340.00	11120.00	37
38	-3204.00	2895.00	-1119.00	9930.00	42190.00	11260.00	38
39	-2861.00	3861.00	-1570.00	10560.00	41750.00	11700.00	39
40	-2830.00	3892.00	-1390.00	10740.00	42190.00	11550.00	40
41	-2893.00	4328.00	-1119.00	11010.00	41900.00	11550.00	41
42	-3080.00	4515.00	-938.00	11190.00	42190.00	11550.00	42
43	-2737.00	3798.00	-1480.00	11010.00	41460.00	11990.00	43
44	-3827.00	4514.00	-2292.00	13270.00	40290.00	15800.00	44
45	-3360.00	4234.00	-2653.00	13270.00	40140.00	15650.00	45
46	-3297.00	4919.00	-2654.00	14170.00	40290.00	16090.00	46
47	-4013.00	4515.00	-2383.00	13000.00	40580.00	14920.00	47
48	-4044.00	5293.00	-2834.00	14530.00	41600.00	16230.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TSGW 20800 TCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
49	-3297.00	5231.00	-1931.00	13630.00	41020.00	15650.00	49
50	-3110.00	5604.00	-1931.00	14530.00	41020.00	17110.00	50

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TEGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	33720.00	13600.00	57.97	1037.00	-1104.00	901.70	2
3	33050.00	12600.00	57.97	976.20	-1030.00	870.20	3
4	30730.00	11610.00	27.47	1007.00	-1093.00	849.20	4
5	31890.00	12770.00	-3.03	1037.00	-1114.00	849.20	5
6	34880.00	11770.00	-247.10	1098.00	-1104.00	922.60	6
7	34540.00	11110.00	-186.10	976.20	-998.70	817.80	7
8	34710.00	11280.00	-308.10	1037.00	-1083.00	901.60	8
9	33720.00	11280.00	-308.10	1098.00	-1020.00	859.70	9
10	32390.00	10610.00	-521.60	1678.00	-1439.00	1321.00	10
11	33050.00	10280.00	-582.60	1678.00	-1418.00	1279.00	11
12	32720.00	10610.00	-552.10	1708.00	-1418.00	1279.00	12
13	32390.00	10280.00	-582.70	1800.00	-1450.00	1332.00	13
14	33880.00	18080.00	-796.20	2562.00	-1722.00	1751.00	14
15	33720.00	19570.00	-1071.00	2654.00	-1701.00	1856.00	15
16	33720.00	18240.00	-857.20	2623.00	-1743.00	1772.00	16
17	33380.00	20560.00	-1254.00	2776.00	-1775.00	2013.00	17
18	33720.00	17250.00	-887.70	2593.00	-1691.00	1761.00	18
19	33720.00	20560.00	-1162.00	2684.00	-1670.00	1866.00	19
20	34050.00	21890.00	-826.70	2898.00	-1890.00	1961.00	20
21	34050.00	25210.00	-1101.00	3173.00	-1942.00	2181.00	21
22	35040.00	27200.00	-1010.00	3142.00	-1932.00	2212.00	22
23	35040.00	22220.00	-735.20	2928.00	-1806.00	1981.00	23
24	34380.00	23550.00	-1010.00	3081.00	-1911.00	2107.00	24
25	33720.00	22550.00	-979.20	3050.00	-1942.00	2034.00	25
26	33380.00	24540.00	-1101.00	3295.00	-2121.00	2233.00	26
27	34050.00	21890.00	-948.70	3020.00	-1932.00	2044.00	27
28	34710.00	23550.00	-918.20	3111.00	-1921.00	2139.00	28
29	36370.00	9951.00	-125.10	976.10	-1009.00	912.10	29
30	37360.00	9951.00	-186.10	976.20	-1020.00	901.70	30
31	36530.00	9785.00	-216.60	1007.00	-1051.00	912.10	31
32	35710.00	9619.00	-216.60	1068.00	-1062.00	901.70	32
33	34880.00	9785.00	-247.10	1037.00	-998.70	901.60	33
34	34880.00	10120.00	-430.10	1159.00	-1104.00	1006.00	34
35	35710.00	9950.00	-399.60	1129.00	-1177.00	1017.00	35
36	36040.00	9951.00	-430.10	1220.00	-1198.00	1080.00	36
37	36370.00	9951.00	-308.10	1098.00	-1156.00	1038.00	37
38	36200.00	10450.00	-399.60	1190.00	-1198.00	1059.00	38
39	35870.00	10120.00	-491.10	1525.00	-1303.00	1185.00	39
40	35540.00	9785.00	-460.60	1495.00	-1282.00	1185.00	40
41	35370.00	9951.00	-491.10	1525.00	-1324.00	1227.00	41
42	35540.00	10120.00	-491.10	1525.00	-1313.00	1258.00	42
43	36200.00	10120.00	-491.10	1464.00	-1271.00	1174.00	43
44	35710.00	16580.00	-674.20	2318.00	-1533.00	1688.00	44
45	35870.00	16090.00	-704.70	2288.00	-1470.00	1625.00	45
46	36200.00	16750.00	-918.20	2379.00	-1565.00	1803.00	46
47	35870.00	15090.00	-613.20	2196.00	-1481.00	1594.00	47
48	36700.00	17580.00	-674.20	2257.00	-1523.00	1803.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
49	35870.00	15760.00	-796.20	2318.00	-1544.00	1636.00	49
50	36200.00	18410.00	-918.20	2501.00	-1575.00	1919.00	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-105.40	487.10	1085.00	371.70	843.60	284.20	2
3	-222.70	442.00	1063.00	304.80	880.90	246.80	3
4	-204.70	442.00	1026.00	371.70	880.90	246.80	4
5	-195.70	595.40	996.00	356.80	888.40	254.30	5
6	-159.60	613.40	1048.00	215.60	940.80	216.90	6
7	-195.60	559.30	1085.00	223.00	933.30	209.40	7
8	-177.60	631.50	1100.00	267.60	948.30	239.30	8
9	-123.50	649.50	1093.00	260.20	970.70	216.90	9
10	-312.90	712.70	958.80	171.00	910.80	231.80	10
11	-303.90	685.60	958.80	171.00	933.30	224.40	11
12	-267.80	703.60	966.30	193.30	925.80	246.80	12
13	-294.90	712.70	981.20	193.30	948.30	239.30	13
14	-430.20	1046.00	914.30	215.60	985.70	291.70	14
15	-448.20	1101.00	906.80	237.90	978.20	284.20	15
16	-403.10	1056.00	906.80	223.00	978.20	269.30	16
17	-367.00	1110.00	877.10	297.30	1023.00	299.20	17
18	-349.00	1074.00	914.30	230.40	978.20	269.30	18
19	-421.20	1074.00	914.30	289.90	1016.00	276.70	19
20	-466.30	1173.00	877.10	252.80	963.20	329.10	20
21	-421.20	1218.00	906.80	282.50	978.20	359.00	21
22	-538.40	1227.00	899.40	319.70	978.20	388.90	22
23	-484.30	1173.00	906.80	267.60	993.20	344.00	23
24	-475.30	1200.00	914.30	289.90	1001.00	351.50	24
25	-529.40	1164.00	877.10	267.60	1016.00	381.40	25
26	-565.50	1182.00	899.40	304.80	1001.00	381.40	26
27	-484.30	1173.00	877.10	267.60	970.70	336.60	27
28	-484.30	1191.00	892.00	282.50	955.80	336.60	28
29	-213.70	577.40	1100.00	223.00	940.80	231.80	29
30	-195.60	559.30	1100.00	223.00	940.80	216.90	30
31	-87.41	649.50	1093.00	230.40	963.20	239.30	31
32	-114.40	694.60	1108.00	245.30	963.20	239.30	32
33	-141.50	667.60	1122.00	289.90	963.20	254.30	33
34	-150.50	676.60	1011.00	208.20	880.90	261.80	34
35	-132.50	640.50	1018.00	200.70	903.40	254.30	35
36	-177.60	613.40	1003.00	156.10	903.40	224.40	36
37	-213.70	577.40	1018.00	156.10	888.40	209.40	37
38	-177.60	595.40	1011.00	133.80	903.40	209.40	38
39	-231.70	685.60	973.70	156.10	918.30	224.30	39
40	-249.80	667.60	966.30	163.50	918.30	224.30	40
41	-231.70	703.70	981.20	178.40	918.30	239.30	41
42	-213.70	721.70	981.20	193.30	933.30	254.30	42
43	-267.80	667.60	966.30	148.70	918.30	224.30	43
44	-403.10	1037.00	944.00	215.60	948.30	254.30	44
45	-367.10	1037.00	944.00	215.60	940.80	246.80	45
46	-303.90	1065.00	936.60	252.80	963.20	254.30	46
47	-367.00	1019.00	944.00	215.60	940.80	231.80	47
48	-394.10	1046.00	891.90	267.60	978.20	269.30	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133

TSGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
49	-412.20	1028.00	936.60	223.00	970.70	246.80	49
50	-312.90	1092.00	921.70	282.50	1008.00	269.20	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41860SDY	41860ALT	EVENT
2	7392.00	6608.00	2
3	7651.00	6867.00	3
4	7910.00	5831.00	4
5	7910.00	6608.00	5
6	25270.00	6349.00	6
7	27220.00	5961.00	7
8	27220.00	6479.00	8
9	27480.00	6479.00	9
10	18790.00	6608.00	10
11	19440.00	6738.00	11
12	22290.00	6479.00	12
13	21130.00	6868.00	13
14	4542.00	9459.00	14
15	7522.00	10370.00	15
16	5967.00	9589.00	16
17	8040.00	11920.00	17
18	6226.00	9848.00	18
19	10760.00	11530.00	19
20	-5566.00	10240.00	20
21	913.00	11530.00	21
22	-3363.00	11400.00	22
23	-2197.00	9978.00	23
24	136.00	11270.00	24
25	-1419.00	10500.00	25
26	1043.00	13220.00	26
27	-3104.00	10110.00	27
28	-4918.00	9848.00	28
29	24750.00	5831.00	29
30	24750.00	5572.00	30
31	25920.00	5702.00	31
32	26440.00	5960.00	32
33	26700.00	6220.00	33
34	28640.00	5572.00	34
35	26570.00	5313.00	35
36	24750.00	5313.00	36
37	24240.00	5313.00	37
38	23330.00	5442.00	38
39	20480.00	6220.00	39
40	21390.00	6349.00	40
41	21770.00	6479.00	41
42	23070.00	6479.00	42
43	19310.00	6350.00	43
44	8040.00	8811.00	44
45	8947.00	8682.00	45
46	8947.00	9977.00	46
47	8947.00	8682.00	47
48	12580.00	10240.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 133
TSGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41860SDY	41860ALT	EVENT
49	10760.00	9459.00	49
50	13610.00	10750.00	50

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	3.71	7.23	10.94	-3.52	9.04	.72	2
3	3.67	7.11	10.86	-3.44	9.17	.68	3
4	3.71	6.98	10.69	-3.27	9.34	.68	4
5	3.67	7.60	11.27	-3.93	8.70	.72	5
6	3.75	7.52	11.27	-3.77	9.17	.68	6
7	3.63	7.31	11.03	-3.69	9.00	.68	7
8	3.71	7.40	11.11	-3.69	9.76	.68	8
9	3.67	7.11	10.78	-3.44	9.38	.72	9
10	3.67	7.02	10.69	-3.35	9.80	.72	10
11	3.71	6.82	10.53	-3.19	9.68	.68	11
12	3.67	6.61	10.28	-2.94	9.97	.63	12
13	3.63	5.91	9.54	-2.28	11.07	.80	13
14	3.55	6.16	9.70	-2.61	11.07	.72	14
15	3.63	6.32	9.95	-2.69	10.86	.85	15
16	3.75	7.93	11.69	-4.18	9.47	.80	16
17	3.63	7.56	11.19	-3.93	9.13	.72	17
18	3.63	7.56	11.27	-3.93	9.34	.68	18
19	3.63	8.14	11.85	-4.51	9.00	.76	19
20	3.63	8.14	11.77	-4.51	9.30	.72	20
21	3.67	8.18	11.85	-4.51	9.25	.76	21
22	3.51	8.18	11.69	-4.68	9.47	.72	22
23	3.71	7.81	11.52	-4.10	9.68	.85	23
24	3.55	7.73	11.36	-4.18	9.72	.80	24
25	3.55	6.49	10.03	-2.94	11.83	.80	25
26	3.42	7.35	10.78	-3.93	11.41	1.06	26
27	3.59	6.61	10.20	-3.02	11.71	.76	27
28	3.30	7.07	10.36	-3.77	11.88	1.02	28
29	3.38	6.82	10.28	-3.44	11.75	.80	29
30	3.34	7.52	10.86	-4.18	10.86	1.02	30
31	3.59	7.60	11.19	-4.10	13.14	1.02	31
32	3.42	8.02	11.44	-4.59	12.93	1.06	32
33	3.51	7.52	11.03	-4.02	13.23	.93	33
34	3.34	8.18	11.52	-4.84	12.47	1.10	34
35	3.42	7.60	11.03	-4.18	13.02	.97	35
36	3.42	8.10	11.52	-4.68	12.89	1.10	36
37	3.44	7.31	10.86	-3.35	11.75	.80	37
38	3.51	6.61	10.12	-3.19	12.00	.80	38

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AIRCRAFT SLP1 FLIGHT 134

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EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
2	11.28	3.46	8229.00	1003.00	2013.00	11830.00	2
3	11.36	3.43	8372.00	859.50	2012.00	10480.00	3
4	11.48	3.32	8802.00	429.50	1843.00	8279.00	4
5	10.67	3.84	8945.00	286.50	3702.00	9800.00	5
6	11.28	3.64	9231.00		2688.00	8448.00	6
7	11.07	3.49	9231.00		3533.00	7604.00	7
8	11.80	3.35	9231.00		4378.00	6759.00	8
9	11.66	3.14	9088.00	143.00	3364.00	9462.00	9
10	11.89	2.85	9088.00	143.00	4040.00	7773.00	10
11	11.92	2.59	9231.00		4040.00	7435.00	11
12	12.03	2.36	9231.00		4378.00	6759.00	12
13	13.63	3.03	9231.00		5054.00	7435.00	13
14	13.75	3.26	9231.00		5054.00	7773.00	14
15	13.69	3.49	9231.00		5561.00	8280.00	15
16	12.50	3.52	8802.00	429.50	153.50	12670.00	16
17	11.71	3.38	9088.00	143.00	998.50	12500.00	17
18	11.98	3.46	9231.00		1505.00	8955.00	18
19	11.66	3.96	9231.00		2857.00	9631.00	19
20	12.03	3.87	9231.00		3026.00	8786.00	20
21	11.92	3.93	9231.00		3533.00	7604.00	21
22	11.89	4.07	9231.00		3026.00	7434.00	22
23	12.35	3.72	9231.00		2688.00	3800.00	23
24	12.32	3.81	9231.00		2350.00	9124.00	24
25	13.87	2.79	9231.00		4885.00	7942.00	25
26	13.69	3.61	9231.00		4378.00	8449.00	26
27	13.75	2.97	9231.00		4716.00	8449.00	27
28	13.87	3.72	9231.00		5054.00	8787.00	28
29	13.89	3.52	9231.00		4378.00	8786.00	29
30	13.49	4.45	9231.00		3871.00	10310.00	30
31	15.18	3.17	9088.00	143.00	5222.00	9293.00	31
32	15.09	3.72	8945.00	286.50	6405.00	9462.00	32
33	15.32	3.14	9231.00		5054.00	8111.00	33
34	15.03	3.96	9231.00		5560.00	9631.00	34
35	15.18	3.29	9231.00		5223.00	8618.00	35
36	14.88	3.93	9088.00	143.00	5729.00	9800.00	36
37	13.52	2.44	9231.00		5392.00	7097.00	37
38	13.98	2.62	9231.00		5054.00	7435.00	38

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134

TGGW 20800 TGG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	1449.00	4280.00	1490.00	4374.00	-3782.00	4123.00	2
3	1448.00	4025.00	1528.00	4029.00	-3407.00	3915.00	3
4	1829.00	3644.00	1912.00	3415.00	-3324.00	3748.00	4
5	2338.00	3983.00	1912.00	4029.00	-2532.00	4540.00	5
6	2423.00	3559.00	2257.00	3607.00	-2782.00	4207.00	6
7	2507.00	3305.00	2372.00	3415.00	-2657.00	3915.00	7
8	2720.00	3008.00	2756.00	2955.00	-2865.00	3374.00	8
9	3143.00	4195.00	2909.00	4490.00	-3198.00	4290.00	9
10	3228.00	3686.00	3024.00	4298.00	-3115.00	3707.00	10
11	3228.00	3517.00	3025.00	4144.00	-3032.00	3623.00	11
12	3355.00	3305.00	2948.00	3914.00	-3157.00	3498.00	12
13	3186.00	3559.00	3025.00	4374.00	-3532.00	3124.00	13
14	3101.00	3813.00	2833.00	4643.00	-3532.00	3207.00	14
15	3101.00	3813.00	2871.00	4758.00	-3449.00	3290.00	15
16	1576.00	4068.00	1643.00	4144.00	-3490.00	4248.00	16
17	1491.00	4237.00	1567.00	4144.00	-3448.00	4207.00	17
18	1533.00	3602.00	1567.00	3530.00	-3157.00	3832.00	18
19	2211.00	3940.00	2065.00	3876.00	-2282.00	4873.00	19
20	2423.00	3389.00	2296.00	3338.00	-2574.00	4165.00	20
21	2465.00	3263.00	2449.00	3108.00	-2449.00	4040.00	21
22	2465.00	3008.00	2564.00	2840.00	-2657.00	3665.00	22
23	2846.00	4322.00	2910.00	4029.00	-2907.00	4748.00	23
24	2720.00	4025.00	3178.00	3761.00	-2907.00	4248.00	24
25	3186.00	4491.00	2756.00	5027.00	-3657.00	3498.00	25
26	3228.00	4449.00	2603.00	5180.00	-3907.00	3748.00	26
27	3228.00	4534.00	2718.00	5065.00	-3574.00	3415.00	27
28	3228.00	4449.00	2641.00	5219.00	-3782.00	3540.00	28
29	3271.00	4491.00	2718.00	5142.00	-3740.00	3498.00	29
30	3228.00	4703.00	2372.00	5641.00	-3865.00	3540.00	30
31	2974.00	5805.00	2833.00	5487.00	-3782.00	4623.00	31
32	3271.00	5763.00	2871.00	5679.00	-3865.00	4789.00	32
33	3313.00	5127.00	2986.00	5104.00	-3781.00	4290.00	33
34	3228.00	5635.00	2717.00	5526.00	-3990.00	4581.00	34
35	3228.00	5212.00	2756.00	5334.00	-3740.00	4331.00	35
36	3016.00	5508.00	2641.00	5602.00	-3865.00	4456.00	36
37	3186.00	4237.00	2833.00	4720.00	-3615.00	3290.00	37
38	3101.00	4322.00	2871.00	4758.00	-3574.00	3415.00	38

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-3198.00	4575.00	-1752.00	11100.00	43330.00	10380.00	2
3	-3385.00	4077.00	-1662.00	10650.00	43330.00	10670.00	3
4	-3727.00	3424.00	-1120.00	10290.00	43630.00	10670.00	4
5	-3105.00	4046.00	-1481.00	10110.00	43190.00	10520.00	5
6	-3447.00	3704.00	-1662.00	10110.00	42750.00	10960.00	6
7	-3229.00	3486.00	-1481.00	10110.00	43330.00	10960.00	7
8	-3789.00	2926.00	-1662.00	10470.00	43040.00	11250.00	8
9	-3198.00	4824.00	-578.50	11370.00	43480.00	11400.00	9
10	-3323.00	4326.00	-1210.00	11100.00	42020.00	11400.00	10
11	-3322.00	4015.00	-1572.00	10920.00	42600.00	11400.00	11
12	-3571.00	3766.00	-1481.00	10470.00	42020.00	11400.00	12
13	-3447.00	3579.00	-2745.00	13360.00	41870.00	14760.00	13
14	-3634.00	4326.00	-2204.00	13720.00	41580.00	14760.00	14
15	-2762.00	4324.00	-2384.00	13900.00	41730.00	15200.00	15
16	-3509.00	4202.00	-578.50	12100.00	46700.00	10810.00	16
17	-3509.00	4015.00	-397.50	11730.00	46840.00	10380.00	17
18	-3509.00	3393.00	-37.00	10470.00	46840.00	10670.00	18
19	-2980.00	4482.00	-1120.00	10470.00	46110.00	10230.00	19
20	-3509.00	3828.00	-759.00	10110.00	45820.00	10230.00	20
21	-3198.00	3579.00	-578.50	10110.00	45530.00	10810.00	21
22	-3322.00	3268.00	-488.00	10560.00	45530.00	11400.00	22
23	-3634.00	4388.00	234.00	11100.00	45820.00	10810.00	23
24	-3945.00	4015.00	-488.00	10560.00	45530.00	10520.00	24
25	-3852.00	4295.00	-1933.00	13450.00	41730.00	15200.00	25
26	-3540.00	4669.00	-1752.00	13810.00	41730.00	16370.00	26
27	-3976.00	4731.00	-1842.00	13540.00	41430.00	15490.00	27
28	-3696.00	5197.00	-2474.00	13810.00	41730.00	16370.00	28
29	-3541.00	4855.00	-1843.00	13720.00	41140.00	15490.00	29
30	-3385.00	5322.00	-1662.00	14620.00	42020.00	16660.00	30
31	-3914.00	4295.00	-2835.00	16340.00	40120.00	19140.00	31
32	-3976.00	4731.00	-3196.00	16520.00	39970.00	19290.00	32
33	-4412.00	4295.00	-3196.00	15260.00	40560.00	17540.00	33
34	-3852.00	5166.00	-3738.00	16340.00	40850.00	19290.00	34
35	-4287.00	4793.00	-3558.00	15070.00	40700.00	17970.00	35
36	-3696.00	5322.00	-3196.00	15980.00	41000.00	18850.00	36
37	-3634.00	3704.00	-2655.00	13090.00	41430.00	14900.00	37
38	-3198.00	3953.00	-2294.00	12910.00	42020.00	15490.00	38

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 134
T0GW 20800 T0CG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	36020.00	10620.00	-369.60	1098.00	-1135.00	975.30	2
3	36680.00	10950.00	-400.00	1006.00	-1072.00	954.30	3
4	37680.00	10950.00	-339.10	1006.00	-1072.00	933.40	4
5	35350.00	9956.00	-552.50	1159.00	-1146.00	1049.00	5
6	36180.00	10790.00	-522.00	1128.00	-1198.00	1059.00	6
7	36350.00	10950.00	-461.00	1128.00	-1156.00	1059.00	7
8	36680.00	11280.00	-552.50	1159.00	-1272.00	1091.00	8
9	35020.00	10620.00	-583.00	1494.00	-1355.00	1237.00	9
10	35190.00	10790.00	-643.90	1494.00	-1303.00	1248.00	10
11	35350.00	10620.00	-613.50	1463.00	-1314.00	1237.00	11
12	35190.00	10450.00	-613.50	1463.00	-1293.00	1217.00	12
13	36180.00	13110.00	-583.00	1799.00	-1387.00	1374.00	13
14	36180.00	13770.00	-583.00	1799.00	-1397.00	1384.00	14
15	36350.00	14270.00	-583.00	1799.00	-1439.00	1405.00	15
16	39670.00	11280.00	-186.60	1220.00	-915.00	1007.00	16
17	38840.00	11120.00	-64.69	1098.00	-883.60	975.30	17
18	40170.00	10790.00	-125.70	975.60	-883.60	975.30	18
19	38170.00	10790.00	-308.60	1098.00	-1083.00	1028.00	19
20	38510.00	10450.00	-308.60	1037.00	-1135.00	1038.00	20
21	38170.00	11450.00	-400.10	1067.00	-1104.00	1028.00	21
22	39170.00	11780.00	-339.10	1067.00	-1114.00	1017.00	22
23	37680.00	10620.00	-400.00	1311.00	-1177.00	1227.00	23
24	37350.00	10290.00	-522.00	1250.00	-1156.00	1206.00	24
25	36520.00	15760.00	-765.90	2226.00	-1607.00	1636.00	25
26	37180.00	17090.00	-826.90	2226.00	-1565.00	1720.00	26
27	36180.00	15760.00	-857.30	2317.00	-1628.00	1636.00	27
28	36520.00	16430.00	-765.90	2226.00	-1597.00	1646.00	28
29	35850.00	15760.00	-765.90	2348.00	-1607.00	1657.00	29
30	36180.00	17750.00	-979.30	2378.00	-1555.00	1751.00	30
31	35850.00	21740.00	-1040.00	2866.00	-1953.00	2024.00	31
32	35190.00	22070.00	-979.30	2866.00	-1953.00	2066.00	32
33	35850.00	19080.00	-857.40	2683.00	-1827.00	1919.00	33
34	36520.00	22070.00	-1010.00	2774.00	-1922.00	1993.00	34
35	36020.00	19580.00	-826.90	2713.00	-1785.00	1919.00	35
36	36020.00	21240.00	-887.90	2713.00	-1922.00	1951.00	36
37	36180.00	14440.00	-735.40	2073.00	-1471.00	1584.00	37
38	36850.00	15760.00	-674.40	2195.00	-1534.00	1626.00	38

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AIRCRAFT SLP1 FLIGHT 134

TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/25/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-239.50	658.30	1091.00	260.50	949.60	254.30	2
3	-221.40	712.40	1084.00	253.10	957.10	246.80	3
4	-266.50	595.20	1039.00	223.30	927.20	231.80	4
5	-329.60	730.40	1017.00	245.70	874.80	284.20	5
6	-266.50	649.20	1017.00	215.90	889.80	269.30	6
7	-248.40	613.20	1010.00	193.50	874.80	254.30	7
8	-293.60	640.30	979.80	178.70	889.80	224.40	8
9	-320.60	757.50	972.30	215.90	904.70	284.20	9
10	-329.60	712.40	964.90	193.60	904.70	254.30	10
11	-320.60	721.40	957.40	171.20	912.20	246.80	11
12	-356.70	685.30	957.40	156.30	912.20	231.80	12
13	-419.80	892.80	927.70	171.20	927.10	216.90	13
14	-428.80	919.80	942.50	186.10	934.60	224.40	14
15	-428.80	937.80	957.40	201.00	942.10	231.80	15
16	-212.40	757.50	1091.00	290.30	942.10	261.80	16
17	-185.30	766.50	1099.00	282.90	934.60	254.30	17
18	-266.50	631.30	1047.00	230.80	904.70	239.30	18
19	-320.60	721.40	1032.00	245.70	889.80	314.10	19
20	-293.60	640.30	1010.00	223.30	874.80	269.20	20
21	-329.60	640.30	1002.00	201.00	874.80	254.30	21
22	-320.60	631.20	1017.00	201.00	867.30	231.80	22
23	-374.70	793.50	994.70	238.20	897.20	306.70	23
24	-347.70	766.50	994.60	223.30	882.30	276.70	24
25	-419.80	1019.00	912.70	201.00	942.10	231.80	25
26	-401.80	1037.00	935.10	238.20	957.10	246.80	26
27	-464.90	1028.00	920.20	223.30	949.60	239.30	27
28	-446.80	1010.00	935.10	238.20	949.60	254.30	28
29	-473.90	1037.00	927.70	230.80	964.50	254.30	29
30	-374.70	1064.00	905.30	282.90	957.10	246.80	30
31	-537.00	1154.00	905.30	268.00	949.60	314.10	31
32	-473.90	1163.00	927.60	275.40	949.60	329.10	32
33	-537.00	1100.00	897.80	245.70	942.10	291.70	33
34	-437.80	1163.00	927.60	275.40	949.60	314.10	34
35	-537.00	1100.00	935.10	253.10	949.60	299.20	35
36	-501.00	1136.00	935.10	282.90	949.60	314.10	36
37	-419.80	982.90	912.70	186.10	942.10	231.80	37
38	-446.80	1010.00	935.10	208.40	927.20	231.80	38

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AIRCRAFT SLP1 FLIGHT 134
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EVENT	41860SDY	41860ALT	EVENT
2	25930.00	6480.00	2
3	25410.00	6221.00	3
4	24250.00	6091.00	4
5	29040.00	6221.00	5
6	25670.00	6221.00	6
7	26710.00	5703.00	7
8	21650.00	6091.00	8
9	24120.00	6999.00	9
10	21140.00	6609.00	10
11	22170.00	6091.00	11
12	19970.00	5962.00	12
13	13100.00	8164.00	13
14	14010.00	8294.00	14
15	14660.00	8683.00	15
16	24380.00	6998.00	16
17	26320.00	6610.00	17
18	25670.00	6221.00	18
19	27620.00	6869.00	19
20	25410.00	6480.00	20
21	25930.00	6221.00	21
22	23860.00	6480.00	22
23	24760.00	7128.00	23
24	23210.00	6869.00	24
25	9472.00	8942.00	25
26	12450.00	10370.00	26
27	9472.00	8942.00	27
28	12970.00	10110.00	28
29	9473.00	9202.00	29
30	16340.00	10630.00	30
31	-1414.00	9720.00	31
32	530.50	10370.00	32
33	-376.50	9461.00	33
34	4807.00	10500.00	34
35	1826.00	9849.00	35
36	4030.00	10500.00	36
37	9343.00	8294.00	37
38	8436.00	8683.00	38

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
TGGW 20800 TCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	3.56	6.16	9.72	-2.60	9.26	.55	2
3	3.60	6.78	10.38	-3.42	9.56	.59	3
4	3.31	6.65	10.13	-3.34	10.49	.68	4
5	3.40	6.57	9.97	-3.26	12.31	.80	5
6	3.35	6.20	9.56	-2.93	12.44	.85	6
7	3.31	6.98	10.30	-3.67	13.28	.93	7
8	3.31	6.90	10.22	-3.59	12.95	.93	8
9	3.19	6.53	9.80	-3.34	12.31	.89	9
10	3.60	6.45	10.05	-2.93	11.42	.76	10
12	3.48	6.41	9.89	-2.93	9.98	.68	12
13	3.48	6.82	10.30	-3.34	9.30	.59	13
14	3.44	6.28	9.72	-2.84	8.71	.59	14
15	3.52	6.53	10.05	-3.01	9.47	.59	15
16	3.48	7.32	10.79	-3.84	9.85	.64	16
17	3.40	7.32	10.71	-3.92	10.32	.76	17
18	3.27	7.36	10.63	-4.08	11.84	.85	18
19	3.35	7.27	10.63	-3.92	12.90	.97	19
20	3.23	7.23	10.46	-4.00	12.78	.93	20
21	3.40	6.98	10.38	-3.59	11.72	.80	21
22	3.52	7.03	10.55	-3.51	10.07	.68	22
23	3.60	7.03	10.63	-3.42	9.39	.59	23
25	3.56	6.08	9.72	-2.51	8.84	.55	25
26	4.47	7.56	12.03	-3.42	10.57	.93	26
27	4.06	7.32	11.54	-3.75	11.93	1.10	27
28	3.48	7.23	10.71	-3.75	12.99	1.06	28

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
TEGW 20800 TSCG 9.7 AFT FLIGHT DATE 03/26/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
2	10.09	3.22	6829.00	2334.00	3754.00	7429.00	2
3	10.54	3.49	8073.00	1711.00	5442.00	5740.00	3
4	11.36	3.16	8696.00	2023.00	7468.00	6753.00	4
5	13.55	3.16	8229.00	1867.00	6962.00	6585.00	5
6	14.22	3.34	8229.00	2178.00	5949.00	7598.00	6
7	15.04	3.49	8074.00	2334.00	7468.00	8104.00	7
8	14.77	3.71	7918.00	2800.00	7130.00	8104.00	8
9	14.31	3.56	8229.00	2489.00	7806.00	9455.00	9
10	12.40	3.22	8385.00	2334.00	6961.00	7597.00	10
12	10.67	2.83	8540.00	2178.00	6117.00	6753.00	12
13	10.27	3.46	7763.00	2645.00	5105.00	8442.00	13
14	9.57	3.68	8229.00	2489.00	3923.00	8611.00	14
15	10.73	3.31	9940.00	2022.00	2910.00	6585.00	15
16	11.27	3.49	10410.00	1867.00	4767.00	5741.00	16
17	11.91	3.16	10560.00	1711.00	6455.00	5403.00	17
18	13.95	3.13	10410.00	2178.00	5442.00	7429.00	18
19	15.59	3.25	10100.00	2489.00	5611.00	8610.00	19
20	15.37	3.40	9940.00	2645.00	6117.00	9454.00	20
21	13.85	2.67	10720.00	2178.00	6286.00	8273.00	21
22	11.55	2.67	11030.00	1867.00	6118.00	6416.00	22
23	10.64	3.28	10410.00	2489.00	4598.00	8948.00	23
25	10.06	3.07	10250.00	2334.00	2403.00	7091.00	25
26	11.27	3.74	11030.00	3734.00	9325.00	14010.00	26
27	13.22	4.40	10250.00	2956.00	8481.00	10810.00	27
28	13.92	4.07	8696.00	2956.00	9156.00	10130.00	28

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	2132.00	3092.00	1714.00	3106.00	-3026.00	3165.00	2
3	2725.00	3007.00	2366.00	3528.00	-3026.00	3415.00	3
4	2937.00	3812.00	2021.00	5176.00	-3651.00	3290.00	4
5	3487.00	4193.00	2366.00	5368.00	-3984.00	3124.00	5
6	3233.00	4701.00	2289.00	5598.00	-3901.00	3540.00	6
7	3360.00	5252.00	2558.00	5790.00	-4067.00	4206.00	7
8	3233.00	5294.00	2404.00	6020.00	-3984.00	4289.00	8
9	2810.00	4955.00	2059.00	5982.00	-3859.00	3915.00	9
10	2683.00	4320.00	2136.00	5675.00	-4192.00	3082.00	10
12	2894.00	3939.00	2136.00	5215.00	-3526.00	3165.00	12
13	2767.00	3219.00	1868.00	4179.00	-2860.00	3415.00	13
14	1539.00	3685.00	1561.00	3412.00	-2860.00	3082.00	14
15	2217.00	3091.00	2213.00	2837.00	-3026.00	3165.00	15
16	3022.00	2964.00	2558.00	3566.00	-2902.00	3040.00	16
17	3064.00	3600.00	2634.00	4563.00	-3401.00	2957.00	17
18	2852.00	4574.00	2673.00	4908.00	-3734.00	3457.00	18
19	3021.00	5252.00	2826.00	5292.00	-3901.00	4289.00	19
20	3106.00	5252.00	2673.00	5445.00	-3734.00	4373.00	20
21	3106.00	4320.00	2634.00	5100.00	-3651.00	3457.00	21
22	3149.00	3600.00	2519.00	4755.00	-3568.00	3040.00	22
23	2894.00	3346.00	2443.00	4064.00	-2860.00	3665.00	23
25	1920.00	3134.00	1599.00	3374.00	-2860.00	2998.00	25
26	3742.00	4701.00	2098.00	5866.00	-4817.00	5622.00	26
27	2979.00	5379.00	1906.00	6519.00	-4067.00	4123.00	27
28	3572.00	5802.00	1944.00	6787.00	-4484.00	4706.00	28

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135

TOW 20800 TDCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-3274.00	2709.00	-1835.00	9567.00	40580.00	10960.00	2
3	-3243.00	3176.00	-1925.00	9838.00	39560.00	10810.00	3
4	-3150.00	3954.00	-2828.00	10920.00	38970.00	11980.00	4
5	-3523.00	3456.00	-3189.00	13990.00	39560.00	16070.00	5
6	-4115.00	4110.00	-4272.00	13630.00	38390.00	16950.00	6
7	-4582.00	4514.00	-4904.00	16070.00	38530.00	19730.00	7
8	-4893.00	4764.00	-4813.00	15610.00	38680.00	19000.00	8
9	-3991.00	5169.00	-3640.00	14980.00	39120.00	18560.00	9
10	-3025.00	4266.00	-3911.00	13090.00	38390.00	15780.00	10
12	-2807.00	4359.00	-2738.00	11190.00	39850.00	12280.00	12
13	-2745.00	3674.00	-2106.00	9477.00	40140.00	11110.00	13
14	-3025.00	3145.00	-1655.00	10470.00	41900.00	11690.00	14
15	-3368.00	2802.00	-1293.00	10290.00	44670.00	10960.00	15
16	-3119.00	3425.00	-1294.00	9748.00	43500.00	11250.00	16
17	-3056.00	3425.00	-2015.00	11010.00	43210.00	12130.00	17
18	-3617.00	3861.00	-3189.00	13270.00	42330.00	15050.00	18
19	-4458.00	4203.00	-3821.00	15700.00	41460.00	18850.00	19
20	-4582.00	4701.00	-3821.00	15340.00	41750.00	18560.00	20
21	-3679.00	4359.00	-2286.00	13270.00	42040.00	15340.00	21
22	-3056.00	3923.00	-1925.00	11640.00	42630.00	12420.00	22
23	-3274.00	3456.00	-1113.00	9567.00	43210.00	10670.00	23
25	-2776.00	2958.00	-390.50	9929.00	44230.00	11690.00	25
26	-3772.00	5262.00	-2557.00	14440.00	41170.00	15640.00	26
27	-3523.00	5760.00	-2286.00	16340.00	42330.00	18850.00	27
28	-4987.00	5791.00	-3550.00	17600.00	39560.00	21340.00	28

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	35680.00	10280.00	-465.70	1068.00	-1127.00	974.40	2
3	34350.00	10620.00	-618.30	1343.00	-1316.00	1163.00	3
4	32690.00	10950.00	-740.30	1831.00	-1494.00	1425.00	4
5	34680.00	16260.00	-801.40	2380.00	-1599.00	1655.00	5
6	34180.00	18740.00	-984.50	2747.00	-1787.00	1844.00	6
7	34520.00	23060.00	-1076.00	3022.00	-2007.00	2064.00	7
8	34020.00	22230.00	-1107.00	3113.00	-1986.00	2085.00	8
9	34680.00	21560.00	-1076.00	2960.00	-1724.00	1949.00	9
10	34350.00	16260.00	-1076.00	2472.00	-1633.00	1718.00	10
12	33850.00	10780.00	-648.80	1800.00	-1473.00	1362.00	12
13	33850.00	11110.00	-648.80	1373.00	-1316.00	1163.00	13
14	35680.00	11280.00	-374.10	1099.00	-1043.00	890.60	14
15	38990.00	10280.00	-221.60	1007.00	-1138.00	1006.00	15
16	37340.00	10950.00	-557.30	1343.00	-1263.00	1153.00	16
17	36670.00	10620.00	-587.80	1739.00	-1431.00	1362.00	17
18	37670.00	15590.00	-770.80	2289.00	-1524.00	1708.00	18
19	37670.00	21560.00	-801.40	2686.00	-1735.00	1980.00	19
20	37500.00	21070.00	-801.40	2747.00	-1766.00	1928.00	20
21	37000.00	15590.00	-801.30	2319.00	-1525.00	1687.00	21
22	36670.00	10620.00	-618.30	1709.00	-1326.00	1299.00	22
23	36010.00	10620.00	-587.80	1312.00	-1253.00	1142.00	23
25	38500.00	10780.00	-282.60	946.00	-1022.00	848.70	25
26	33020.00	14930.00	-1076.00	1984.00	-1620.00	1593.00	26
27	37000.00	20900.00	-1198.00	2716.00	-1735.00	1896.00	27
28	35840.00	25380.00	-1259.00	3205.00	-2091.00	2211.00	28

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-185.30	550.20	1053.00	186.00	938.50	202.10	2
3	-248.50	595.30	986.50	148.80	923.50	217.00	3
4	-320.70	721.50	964.10	171.10	953.50	232.00	4
5	-410.80	1010.00	904.60	200.90	975.90	254.40	5
6	-446.90	1100.00	889.80	245.50	961.00	284.40	6
7	-428.90	1191.00	912.10	267.80	975.90	329.30	7
8	-474.00	1181.00	897.20	267.30	933.40	336.80	8
9	-474.00	1145.00	897.20	252.90	983.40	321.80	9
10	-320.70	956.00	897.20	208.30	961.00	224.50	10
12	-284.60	685.40	949.30	171.10	938.50	217.00	12
13	-257.50	676.40	993.90	186.00	908.60	232.00	13
14	-230.50	613.30	1068.00	200.30	916.10	194.60	14
15	-239.50	586.20	1024.00	156.20	923.60	202.10	15
16	-338.70	613.30	971.60	133.90	916.10	209.60	16
17	-374.80	775.60	964.10	156.30	938.50	202.10	17
18	-365.80	1091.00	941.80	208.30	953.50	247.00	18
19	-510.00	1163.00	926.90	252.90	961.00	299.30	19
20	-555.20	1136.00	919.50	260.40	953.50	291.90	20
21	-437.90	1037.00	919.50	215.80	946.00	239.50	21
22	-374.80	721.50	964.10	156.30	938.50	202.10	22
23	-239.50	676.40	993.90	186.00	893.60	247.00	23
25	-275.60	622.30	1024.00	171.10	908.60	187.10	25
26	-573.20	919.90	860.00	260.40	1058.00	381.70	26
27	-455.90	1091.00	845.10	319.90	1013.00	306.80	27
28	-564.20	1218.00	912.10	282.70	1013.00	366.70	28

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 135
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/26/77

EVENT	41860SDY	41860ALT	EVENT
2	23720.00	5588.00	2
3	19430.00	5719.00	3
4	18650.00	7018.00	4
5	4481.00	9228.00	5
6	2921.00	9747.00	6
7	-1888.00	10660.00	7
8	-68.00	10660.00	8
9	1752.00	10140.00	9
10	10720.00	8368.00	10
12	19040.00	6628.00	12
13	23330.00	5459.00	13
14	26440.00	5978.00	14
15	24110.00	5978.00	15
16	20470.00	5978.00	16
17	17740.00	6888.00	17
18	7990.00	9098.00	18
19	972.00	9617.00	19
20	2271.00	9877.00	20
21	9420.00	8708.00	21
22	19300.00	6888.00	22
23	24620.00	5719.00	23
25	27740.00	5718.00	25
26	14050.00	9098.00	26
27	9809.00	11180.00	27
28	3571.00	11700.00	28

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
1	3.41	6.70	10.11	-3.29	9.47	.59	1
2	3.33	5.96	9.29	-2.63	10.36	.64	2
3	3.25	6.04	9.29	-2.80	10.82	.68	3
4	3.12	6.08	9.20	-2.96	11.97	.72	4
5	3.20	6.00	9.29	-2.80	12.98	.81	5
6	3.08	7.12	10.28	-4.04	11.80	1.31	6
7	3.16	6.95	10.11	-3.79	13.45	1.02	7
8	3.62	7.16	10.78	-3.62	13.07	1.48	8
9	3.25	6.21	9.45	-2.96	12.94	.85	9
10	3.16	6.70	9.87	-3.62	12.31	.89	10
11	3.29	6.41	9.70	-3.13	9.47	.59	11
12	3.25	5.96	9.20	-2.71	9.21	.59	12
13	3.41	5.79	9.37	-2.38	9.17	.55	13
14	3.41	5.63	9.04	-2.22	9.42	.55	14
15	3.12	5.92	9.12	-2.80	10.02	.64	15
16	3.12	6.25	9.45	-3.21	10.61	.64	16
17	3.37	6.16	9.53	-2.80	10.19	.64	17
18	3.33	6.21	9.53	-2.88	10.31	.59	18
19	3.12	5.83	9.04	-2.71	11.75	.76	19
20	3.04	6.00	9.04	-2.96	12.05	.81	20
21	3.16	6.54	9.78	-3.54	12.05	1.06	21
22	3.12	5.92	9.04	-2.88	11.88	.72	22
23	3.25	7.45	10.69	-4.20	11.58	1.27	23
24	3.20	6.66	9.87	-3.46	13.03	.93	24
25	3.08	7.20	10.28	-4.12	12.90	1.14	25
26	3.08	6.70	9.78	-3.62	13.41	.97	26
27	2.87	7.90	10.78	-5.03	12.69	1.10	27
28	3.12	6.91	10.03	-3.79	13.07	.97	28
29	3.12	5.92	9.04	-2.88	11.42	.76	29

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 136
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/29/77

EVNT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
1	10.40	3.31	7090.00	1868.00	5534.00	6245.00	1
2	11.44	2.27	7402.00	1868.00	6884.00	6245.00	2
3	12.13	2.41	7402.00	1868.00	6547.00	5908.00	3
4	13.53	2.50	7246.00	2335.00	5703.00	7427.00	4
5	14.87	2.83	6623.00	2335.00	7053.00	8101.00	5
6	14.54	3.94	6935.00	2647.00	5703.00	8777.00	6
7	15.38	3.16	6779.00	2802.00	6884.00	8608.00	7
8	14.99	3.79	6779.00	2802.00	9078.00	9789.00	8
9	15.08	2.74	7091.00	2491.00	6209.00	8270.00	9
10	14.15	3.78	7402.00	2491.00	7053.00	9452.00	10
11	10.31	3.22	6623.00	3269.00	1821.00	9958.00	11
12	10.04	3.01	6935.00	2958.00	3002.00	8776.00	12
13	10.43	2.86	7090.00	2802.00	3508.00	8270.00	13
14	10.37	2.80	6935.00	2647.00	3340.00	7426.00	14
15	10.84	2.62	7558.00	2024.00	6378.00	6751.00	15
16	11.44	2.98	7402.00	1868.00	6041.00	6414.00	16
17	11.02	2.68	7402.00	2180.00	5703.00	7089.00	17
18	11.29	2.53	6935.00	2335.00	5028.00	7089.00	18
19	13.56	2.59	7246.00	2335.00	7222.00	8270.00	19
20	14.06	2.74	7402.00	2491.00	5365.00	8101.00	20
21	13.53	3.34	7869.00	2647.00	7053.00	9114.00	21
22	13.73	2.83	7402.00	2491.00	6378.00	9114.00	22
23	13.35	4.05	7090.00	2802.00	8234.00	8945.00	23
24	14.96	3.28	6935.00	2958.00	6715.00	9114.00	24
25	14.51	3.67	6935.00	2958.00	7559.00	9283.00	25
26	15.43	3.22	6935.00	2647.00	6040.00	8439.00	26
27	14.84	4.53	7402.00	3114.00	5534.00	9620.00	27
28	15.28	3.37	6779.00	2802.00	7053.00	8777.00	28
29	13.11	2.74	7246.00	2335.00	6040.00	7764.00	29

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AIRCRAFT SLP1 FLIGHT 136
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EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
1	3000.00	3005.00	2378.00	3647.00	-2824.00	3205.00	1
2	3084.00	3682.00	2417.00	4760.00	-3490.00	2955.00	2
3	3042.00	3640.00	2494.00	4990.00	-3781.00	2581.00	3
4	3085.00	4359.00	2225.00	5412.00	-3282.00	3080.00	4
5	3254.00	4782.00	2416.00	5835.00	-3573.00	4204.00	5
6	3593.00	5036.00	2340.00	6142.00	-3865.00	3995.00	6
7	3339.00	5460.00	2455.00	6027.00	-4073.00	4287.00	7
8	3296.00	5671.00	2187.00	6373.00	-4864.00	4328.00	8
9	3169.00	4952.00	2302.00	5796.00	-3698.00	3913.00	9
10	3339.00	5290.00	2494.00	5988.00	-3990.00	3954.00	10
11	1561.00	4020.00	1841.00	3647.00	-3740.00	3538.00	11
12	2153.00	3428.00	1764.00	3416.00	-3074.00	3288.00	12
13	1730.00	3513.00	1802.00	3455.00	-3407.00	3288.00	13
14	2027.00	3216.00	1995.00	3033.00	-3157.00	3122.00	14
15	3169.00	3597.00	2148.00	4568.00	-3366.00	3163.00	15
16	3084.00	3682.00	2340.00	4837.00	-3449.00	3163.00	16
17	3169.00	3682.00	2494.00	4683.00	-3365.00	3247.00	17
18	3127.00	3639.00	2455.00	4645.00	-3490.00	3205.00	18
19	3085.00	4613.00	2263.00	5605.00	-3698.00	3330.00	19
20	3339.00	4359.00	2301.00	5643.00	-4156.00	3455.00	20
21	3000.00	4867.00	2455.00	5950.00	-3906.00	3788.00	21
22	3000.00	4613.00	2302.00	5489.00	-3823.00	3538.00	22
23	3211.00	4994.00	2225.00	5873.00	-4614.00	3829.00	23
24	3339.00	5290.00	2494.00	6065.00	-3865.00	4245.00	24
25	3212.00	5333.00	2110.00	6373.00	-4073.00	4287.00	25
26	2915.00	5290.00	2378.00	5643.00	-3615.00	4079.00	26
27	3042.00	5841.00	2109.00	6526.00	-3782.00	4578.00	27
28	3338.00	5375.00	2647.00	5912.00	-3823.00	4287.00	28
29	3042.00	4317.00	2340.00	5374.00	-3740.00	3038.00	29

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AIRCRAFT SLP1 FLIGHT 136
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EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
1	-3396.00	2924.00	-1889.00	9305.00	37770.00	10690.00	1
2	-2929.00	3577.00	-2521.00	10660.00	37030.00	11710.00	2
3	-2774.00	3173.00	-3063.00	11560.00	36740.00	13180.00	3
4	-3831.00	3857.00	-4237.00	12740.00	35130.00	15370.00	4
5	-4516.00	4230.00	-4147.00	13730.00	34690.00	17570.00	5
6	-4423.00	4945.00	-5412.00	16080.00	34840.00	19760.00	6
7	-4578.00	4541.00	-4237.00	15990.00	36010.00	19760.00	7
8	-4796.00	5132.00	-4960.00	18520.00	37040.00	21960.00	8
9	-4640.00	4230.00	-4238.00	14180.00	36450.00	17570.00	9
10	-4982.00	4697.00	-3605.00	15000.00	36740.00	18740.00	10
11	-3054.00	3826.00	-2160.00	9756.00	40260.00	9955.00	11
12	-2805.00	3328.00	-1979.00	9214.00	39230.00	10980.00	12
13	-3520.00	2986.00	-804.50	9666.00	39820.00	10980.00	13
14	-3490.00	2768.00	-1347.00	9305.00	39820.00	10690.00	14
15	-3116.00	3577.00	-2882.00	10300.00	38350.00	11270.00	15
16	-2650.00	3981.00	-2250.00	11470.00	38350.00	11860.00	16
17	-2898.00	3919.00	-1979.00	10480.00	38210.00	11130.00	17
18	-2867.00	4137.00	-2431.00	10750.00	38060.00	11270.00	18
19	-4174.00	4572.00	-3605.00	13370.00	36010.00	16250.00	19
20	-4391.00	4479.00	-3063.00	13730.00	36890.00	16540.00	20
21	-3303.00	5256.00	-4599.00	14910.00	36010.00	18010.00	21
22	-4049.00	4883.00	-3605.00	13010.00	35860.00	15810.00	22
23	-3894.00	5598.00	-4418.00	14910.00	35720.00	17130.00	23
24	-4609.00	5070.00	-4599.00	15630.00	35570.00	19320.00	24
25	-4609.00	5132.00	-4418.00	15990.00	36160.00	19620.00	25
26	-4236.00	4759.00	-4509.00	14450.00	35720.00	17130.00	26
27	-4329.00	5412.00	-5322.00	16890.00	35430.00	21230.00	27
28	-4454.00	4665.00	-4870.00	15720.00	36010.00	19180.00	28
29	-3583.00	4168.00	-3786.00	12470.00	36450.00	14930.00	29

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AIRCRAFT SLP1 FLIGHT 136
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EVENT	61780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
1	31260.00	10460.00	-488.30	1311.00	-1356.00	1132.00	1
2	30430.00	10620.00	-549.30	1738.00	-1503.00	1321.00	2
3	30930.00	12450.00	-610.30	1982.00	-1545.00	1426.00	3
4	31260.00	16760.00	-793.20	2531.00	-1713.00	1719.00	4
5	31420.00	20910.00	-884.70	2927.00	-1954.00	2045.00	5
6	30760.00	22900.00	-1220.00	3019.00	-2133.00	2097.00	6
7	32420.00	23900.00	-1007.00	3232.00	-2070.00	2118.00	7
8	30760.00	24890.00	-1129.00	3354.00	-2227.00	2254.00	8
9	32590.00	20080.00	-915.20	2897.00	-1975.00	1961.00	9
10	31760.00	21240.00	-976.20	2958.00	-1933.00	2024.00	10
11	33250.00	10460.00	-305.30	1067.00	-1231.00	943.60	11
12	33420.00	10950.00	-305.30	1067.00	-1168.00	943.60	12
13	34080.00	10950.00	-274.80	1037.00	-1147.00	922.70	13
14	34080.00	9958.00	-183.40	1006.00	-1147.00	901.70	14
15	31590.00	10460.00	-549.30	1616.00	-1419.00	1279.00	15
16	31590.00	10790.00	-579.80	1708.00	-1503.00	1321.00	16
17	32250.00	10120.00	-518.80	1647.00	-1461.00	1300.00	17
18	32250.00	10460.00	-549.30	1616.00	-1493.00	1290.00	18
19	32250.00	17760.00	-854.20	2653.00	-1797.00	1782.00	19
20	32590.00	18420.00	-823.70	2561.00	-1755.00	1740.00	20
21	31260.00	19420.00	-915.20	2897.00	-1839.00	1950.00	21
22	31920.00	17090.00	-793.20	2653.00	-1702.00	1751.00	22
23	31590.00	19080.00	-945.70	2744.00	-1944.00	1866.00	23
24	32590.00	22740.00	-1098.00	3202.00	-2038.00	2129.00	24
25	31260.00	23400.00	-1098.00	3202.00	-2133.00	2139.00	25
26	32420.00	19580.00	-1007.00	2927.00	-1839.00	1992.00	26
27	32090.00	25220.00	-1251.00	3476.00	-2237.00	2349.00	27
28	32750.00	22900.00	-823.70	3171.00	-1996.00	2150.00	28
29	32590.00	16100.00	-823.70	2439.00	-1692.00	1636.00	29

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AIRCRAFT SLP1 FLIGHT 136
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EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
1	-261.90	577.60	970.70	148.80	906.40	209.60	1
2	-352.20	649.80	948.40	156.30	958.80	202.10	2
3	-343.10	749.10	941.00	148.80	951.30	194.60	3
4	-370.20	992.70	911.20	208.40	973.80	232.00	4
5	-424.30	1137.00	896.30	238.10	988.80	291.90	5
6	-433.40	1110.00	888.90	275.30	1011.00	314.40	6
7	-388.30	1191.00	911.20	282.80	1041.00	374.30	7
8	-514.60	1209.00	963.30	290.20	1251.00	598.80	8
9	-433.40	1110.00	933.50	290.20	1101.00	404.20	9
10	-505.60	1110.00	1038.00	334.90	1393.00	711.00	10
11	-216.80	604.70	1075.00	238.10	973.80	217.10	11
12	-216.80	550.50	1045.00	208.40	958.80	202.10	12
13	-207.80	559.60	1030.00	193.50	958.80	202.10	13
14	-198.70	514.40	1045.00	178.60	943.90	202.10	14
15	-289.00	604.70	963.30	171.20	936.40	224.50	15
16	-361.20	622.70	963.30	171.20	936.40	224.50	16
17	-343.10	622.70	955.80	178.60	951.30	224.50	17
18	-352.20	649.80	955.80	178.60	973.80	232.00	18
19	-460.40	974.70	888.90	215.80	973.80	261.90	19
20	-442.40	992.70	918.60	215.80	973.80	276.90	20
21	-415.30	1020.00	948.40	275.30	1176.00	449.10	21
22	-442.40	974.70	940.90	253.00	1124.00	411.70	22
23	-415.30	1038.00	896.30	253.00	1139.00	396.70	23
24	-514.60	1137.00	933.50	305.10	1004.00	336.80	24
25	-532.70	1173.00	1060.00	387.00	1348.00	666.10	25
26	-415.30	1092.00	911.20	253.00	958.80	276.90	26
27	-460.40	1227.00	926.10	297.70	973.80	306.90	27
28	-460.40	1155.00	888.90	260.40	981.30	284.40	28
29	-397.30	929.50	911.20	208.40	951.40	209.60	29

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AIRCRAFT SLP1 FLIGHT 136
TEGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	41860SDY	41860ALT	EVENT
1	21350.00	5318.00	1
2	14740.00	6485.00	2
3	12920.00	7264.00	3
4	5268.00	8949.00	4
5	-1346.00	9857.00	5
6	6306.00	12580.00	6
7	-957.00	10770.00	7
8	-1736.00	14400.00	8
9	-698.00	9727.00	9
10	3323.00	10380.00	10
11	21350.00	6096.00	11
12	23560.00	5448.00	12
13	23690.00	6096.00	13
14	22390.00	5318.00	14
15	19020.00	6096.00	15
16	14480.00	6485.00	16
17	17980.00	6356.00	17
18	16940.00	6355.00	18
19	5917.00	9079.00	19
20	5009.00	9468.00	20
21	5139.00	11670.00	21
22	6047.00	9209.00	22
23	8252.00	12710.00	23
24	-179.50	10510.00	24
25	-568.50	11410.00	25
26	-2255.00	9987.00	26
27	2415.00	11800.00	27
28	-1736.00	10510.00	28
29	9549.00	8820.00	29

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AIRCRAFT SLP1 FLIGHT 137
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	3.08	7.20	10.28	-4.12	10.06	.76	2
3	3.41	6.45	9.95	-3.04	9.42	.64	3
4	3.49	6.87	10.36	-3.38	9.55	.59	4
5	3.37	7.08	10.45	-3.71	10.61	.72	5
6	3.45	7.16	10.61	-3.71	11.12	.81	6
7	3.45	6.16	9.62	-2.71	11.25	.76	7
8	3.33	7.12	10.45	-3.79	12.09	.85	8
9	3.25	6.62	9.95	-3.38	12.05	.81	9
10	3.20	6.91	10.11	-3.71	12.43	.85	10
11	3.29	6.00	9.29	-2.71	12.39	.89	11
12	3.58	5.05	8.63	-1.47	10.19	.64	12
13	3.41	5.88	9.29	-2.46	10.99	.68	13
14	3.29	6.91	10.20	-3.62	12.18	.85	14
15	3.16	7.12	10.28	-3.95	12.43	.85	15
16	3.29	7.41	10.69	-4.12	12.56	.97	16
17	3.58	6.45	10.03	-2.88	9.21	.59	17
18	3.95	7.08	11.02	-3.13	9.81	.76	18
19	4.16	6.37	10.53	-2.30	9.72	.76	19
20	3.74	6.70	10.45	-2.96	10.02	.81	20
21	3.78	7.49	11.44	-3.71	10.57	.85	21
22	3.74	7.94	11.69	-4.20	11.46	.89	22
23	3.41	7.94	11.36	-4.53	10.61	.72	23
24	3.29	7.16	10.61	-3.87	10.10	.64	24
25	3.45	6.41	9.87	-2.96	9.17	.55	25

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EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
2	11.38	3.16	8180.00	4826.00	3846.00	21770.00	2
3	10.90	3.16	8803.00	2647.00	2834.00	7933.00	3
4	11.14	3.16	9737.00	1713.00	5365.00	5738.00	4
5	12.31	2.77	10360.00	1712.00	7559.00	5907.00	5
6	13.11	2.80	10670.00	1713.00	6884.00	6582.00	6
7	13.41	2.56	10200.00	1868.00	6884.00	6920.00	7
8	14.48	2.98	10510.00	2180.00	6547.00	7595.00	8
9	14.57	3.31	10200.00	2180.00	6209.00	7933.00	9
10	15.02	3.40	10360.00	2335.00	6547.00	8608.00	10
11	15.23	4.38	10200.00	2491.00	7053.00	9789.00	11
12	12.25	2.48	11290.00	2024.00	6378.00	6414.00	12
13	13.11	2.92	10980.00	1713.00	6378.00	7089.00	13
14	14.75	2.89	10510.00	2180.00	6209.00	7933.00	14
15	14.93	2.95	10510.00	2180.00	5534.00	7595.00	15
16	14.84	3.34	9892.00	2491.00	5871.00	8945.00	16
17	10.64	2.83	10830.00	1868.00	4015.00	6076.00	17
18	11.74	2.68	9425.00	2024.00	4859.00	6583.00	18
19	11.32	2.68	9892.00	2491.00	5197.00	7933.00	19
20	11.95	2.71	9270.00	3736.00	2327.00	16880.00	20
21	12.69	2.51	10050.00	1713.00	6378.00	6414.00	21
22	13.29	2.62	9737.00	1713.00	6378.00	5401.00	22
23	12.13	2.77	10670.00	1713.00	6884.00	6245.00	23
24	11.59	2.89	10830.00	1868.00	6547.00	5908.00	24
25	10.64	2.71	10510.00	2180.00	4521.00	6920.00	25

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EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	333.50	7365.00	343.50	5759.00	-3282.00	6077.00	2
3	1942.00	3385.00	2187.00	3225.00	-3407.00	3371.00	3
4	3000.00	2920.00	2724.00	3301.00	-2783.00	3246.00	4
5	3296.00	3640.00	2916.00	4568.00	-3574.00	3038.00	5
6	3211.00	4063.00	3031.00	4837.00	-3657.00	2872.00	6
7	3296.00	3809.00	2839.00	4721.00	-3615.00	2914.00	7
8	3042.00	4402.00	3031.00	4990.00	-3407.00	3371.00	8
9	3254.00	4444.00	2954.00	5067.00	-3407.00	3538.00	9
10	3169.00	4782.00	3031.00	5297.00	-3365.00	3829.00	10
11	3381.00	4994.00	2877.00	5528.00	-3823.00	4121.00	11
12	3381.00	3555.00	2724.00	4683.00	-3615.00	2664.00	12
13	3127.00	3724.00	2839.00	4721.00	-3449.00	2747.00	13
14	3042.00	4571.00	2954.00	5067.00	-3490.00	3538.00	14
15	3254.00	4528.00	3031.00	5067.00	-3282.00	3580.00	15
16	3169.00	5036.00	3031.00	5374.00	-3407.00	3954.00	16
17	2831.00	2920.00	2532.00	3339.00	-2575.00	3371.00	17
18	3254.00	3005.00	2685.00	3647.00	-3032.00	3663.00	18
19	2069.00	3428.00	1687.00	3340.00	-3240.00	3205.00	19
20	418.00	6095.00	1073.00	4184.00	-3199.00	5244.00	20
21	3635.00	3893.00	3031.00	4453.00	-4073.00	3205.00	21
22	3635.00	3809.00	3108.00	4299.00	-3698.00	3330.00	22
23	3296.00	3386.00	2954.00	4453.00	-3698.00	2914.00	23
24	3084.00	3259.00	2839.00	4107.00	-2991.00	3121.00	24
25	3212.00	2962.00	2532.00	3723.00	-2533.00	3413.00	25

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AIRCRAFT SLP1 FLIGHT 137
TCGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-3178.00	6003.00	-5141.00	13820.00	42160.00	14200.00	2
3	-3645.00	2986.00	-1889.00	10030.00	42890.00	11420.00	3
4	-3427.00	2955.00	-2160.00	10120.00	41870.00	11270.00	4
5	-2650.00	3359.00	-3244.00	11380.00	40700.00	12740.00	5
6	-3832.00	3608.00	-3334.00	12200.00	39820.00	13910.00	6
7	-3552.00	3701.00	-3334.00	12560.00	40400.00	14790.00	7
8	-3178.00	4075.00	-3786.00	13730.00	39820.00	15660.00	8
9	-3894.00	4105.00	-3515.00	13820.00	39960.00	16690.00	9
10	-3769.00	4230.00	-4147.00	14270.00	39230.00	17710.00	10
11	-3738.00	5319.00	-3696.00	15270.00	39230.00	18890.00	11
12	-3272.00	3297.00	-3515.00	11650.00	40700.00	13320.00	12
13	-3241.00	4012.00	-3154.00	12560.00	39670.00	14350.00	13
14	-3458.00	4106.00	-3515.00	13640.00	39380.00	16400.00	14
15	-3521.00	3732.00	-3605.00	13730.00	39230.00	15960.00	15
16	-3614.00	4199.00	-3605.00	14820.00	39960.00	17860.00	16
17	-2867.00	2955.00	-1347.00	9666.00	41870.00	10980.00	17
18	-3303.00	2830.00	369.50	10120.00	39380.00	10540.00	18
19	-3552.00	2706.00	731.00	10840.00	40260.00	11420.00	19
20	-2868.00	4323.00	1454.00	11380.00	40690.00	12440.00	20
21	-3583.00	3732.00	-263.00	11650.00	39080.00	11710.00	21
22	-3552.00	2830.00	-263.00	11650.00	38500.00	11420.00	22
23	-2463.00	3297.00	-2250.00	11470.00	39820.00	12150.00	23
24	-2432.00	3515.00	-1889.00	10210.00	41130.00	10830.00	24
25	-2930.00	3079.00	-1257.00	9395.00	41870.00	10690.00	25

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137

T0GW 20800 T0CG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	36240.00	15770.00	152.10	1281.00	-999.90	1279.00	2
3	36730.00	11280.00	-213.80	1037.00	-1147.00	964.60	3
4	35080.00	10950.00	-396.80	1220.00	-1262.00	1101.00	4
5	33910.00	11120.00	-488.30	1799.00	-1451.00	1394.00	5
6	34080.00	13940.00	-732.20	2043.00	-1566.00	1573.00	6
7	35410.00	14600.00	-579.80	2073.00	-1503.00	1531.00	7
8	35240.00	16430.00	-732.20	2348.00	-1577.00	1751.00	8
9	35570.00	17760.00	-640.80	2378.00	-1598.00	1751.00	9
10	35910.00	19420.00	-762.70	2622.00	-1702.00	1877.00	10
11	35570.00	21740.00	-732.30	2714.00	-1807.00	1856.00	11
12	35080.00	11620.00	-427.30	1799.00	-1325.00	1332.00	12
13	35080.00	14270.00	-549.30	1982.00	-1472.00	1457.00	13
14	35080.00	17260.00	-640.80	2439.00	-1598.00	1793.00	14
15	35080.00	17260.00	-579.80	2439.00	-1650.00	1782.00	15
16	34910.00	19750.00	-701.80	2683.00	-1755.00	1950.00	16
17	35410.00	10620.00	-274.80	1159.00	-1231.00	1090.00	17
18	32590.00	9127.00	-244.30	1128.00	-1210.00	985.60	18
19	34410.00	8962.00	-30.91	914.80	-1073.00	744.40	19
20	35240.00	11780.00	-.41	1250.00	-853.10	1111.00	20
21	32920.00	9127.00	-335.80	1525.00	-1388.00	1248.00	21
22	32750.00	9293.00	-305.30	1555.00	-1346.00	1332.00	22
23	33910.00	11450.00	-518.80	1708.00	-1377.00	1321.00	23
24	34250.00	10120.00	-366.30	1433.00	-1304.00	1164.00	24
25	35080.00	10620.00	-396.80	1220.00	-1210.00	1090.00	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 137
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-144.60	731.00	1053.00	602.80	966.30	359.30	2
3	-261.90	577.60	1023.00	186.10	936.40	209.60	3
4	-298.00	595.60	955.80	148.80	884.00	217.10	4
5	-361.20	749.10	911.20	148.80	921.40	209.60	5
6	-361.20	947.60	896.30	193.50	928.90	202.10	6
7	-379.20	947.60	903.80	186.10	928.90	202.10	7
8	-361.20	1092.00	896.30	208.40	899.00	232.00	8
9	-370.20	1083.00	874.00	230.70	913.90	247.00	9
10	-379.20	1128.00	896.30	223.30	928.90	262.00	10
11	-478.50	1137.00	888.90	245.60	951.30	284.40	11
12	-379.20	749.00	911.20	148.80	928.90	187.10	12
13	-361.20	911.50	911.20	178.60	936.40	194.60	13
14	-352.10	1137.00	903.80	215.80	913.90	247.00	14
15	-397.30	1128.00	896.30	223.30	913.90	247.00	15
16	-397.30	1146.00	896.30	253.00	928.90	276.90	16
17	-279.90	595.60	963.30	141.40	884.00	217.10	17
18	-370.20	577.60	799.60	141.40	816.60	239.50	18
19	-325.10	604.70	829.30	200.90	831.60	209.60	19
20	-180.70	640.80	926.10	461.40	831.60	344.30	20
21	-406.30	830.30	769.80	156.30	854.10	217.10	21
22	-433.40	821.30	762.40	148.80	854.10	217.10	22
23	-316.10	776.10	903.80	141.40	913.90	202.10	23
24	-316.10	613.70	948.40	141.40	899.00	217.00	24
25	-234.80	622.70	970.70	148.80	876.50	224.50	25

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AIRCRAFT SLP1 FLIGHT 137
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/29/77

EVENT	41860SDY	41860ALT	EVENT
2	17980.00	9468.00	2
3	22520.00	6226.00	3
4	21220.00	5966.00	4
5	15130.00	7134.00	5
6	12010.00	8171.00	6
7	11100.00	8301.00	7
8	5398.00	9338.00	8
9	4750.00	9209.00	9
10	3971.00	9468.00	10
11	3971.00	10250.00	11
12	17070.00	7263.00	12
13	12920.00	8042.00	13
14	4880.00	9598.00	14
15	988.00	9079.00	15
16	2675.00	9987.00	16
17	24460.00	5318.00	17
18	17850.00	5707.00	18
19	19150.00	5966.00	19
20	18110.00	7263.00	20
21	15000.00	7264.00	21
22	9159.00	7652.00	22
23	15510.00	6745.00	23
24	18240.00	5836.00	24
25	24980.00	5318.00	25

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138

TOW 20800 TBCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
1	3.43	5.73	9.15	-2.31	8.73	.51	1
2	3.22	6.27	9.57	-3.05	9.82	.67	2
3	3.34	4.00	7.84	-.16	12.06	.38	3
4	4.08	5.07	9.15	-.99	11.22	.97	4
5	3.75	4.82	8.66	-1.07	12.06	.80	5
6	3.47	8.49	12.20	-5.02	11.93	1.01	6
7	3.71	6.27	9.98	-2.63	12.31	.80	7
8	3.43	6.88	10.31	-3.46	10.12	.63	8
9	3.38	7.17	10.56	-3.79	11.59	.84	9
10	3.14	7.34	10.47	-4.20	13.03	.93	10
11	2.77	8.04	11.21	-5.27	13.07	1.14	11
12	3.01	8.61	11.63	-5.60	12.73	1.22	12
13	3.71	5.94	9.90	-2.47	12.90	.72	13
14	3.26	8.28	11.54	-5.02	12.86	1.10	14
15	3.71	7.83	11.54	-4.12	12.78	1.18	15
16	3.63	7.75	11.38	-4.12	12.99	1.14	16
17	3.34	7.63	10.97	-4.36	12.86	1.18	17
18	3.01	8.20	11.21	-5.19	12.69	1.18	18
19	2.85	7.87	10.72	-5.02	12.31	1.14	19
20	3.92	6.97	10.88	-3.79	10.46	.97	20
21	4.58	8.94	13.52	-4.36	14.04	2.44	21
22	3.05	7.67	10.72	-4.61	12.90	1.48	22
23	3.10	7.54	10.72	-4.45	13.66	1.14	23
24	3.47	9.40	12.86	-5.93	13.45	1.60	24
25	3.51	7.05	10.56	-3.54	11.81	1.14	25
26	3.71	7.75	11.46	-4.04	12.44	1.27	26
27	2.64	8.98	12.20	-6.34	12.86	1.77	27
28	3.55	7.01	10.80	-3.46	8.60	.97	28
29	5.11	7.75	12.86	-3.46	11.00	1.69	29
30	4.04	7.01	11.05	-3.71	9.44	.80	30
31	3.88	7.01	10.97	-3.21	10.71	.80	31
32	3.63	7.91	12.20	-4.28	11.51	1.10	32
33	3.75	9.11	12.86	-5.35	11.55	.97	33
34	3.63	8.41	12.04	-4.86	12.44	.93	34
35	3.10	7.21	10.31	-4.12	13.37	1.01	35
36	2.93	7.05	10.14	-4.53	8.52	.97	36

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TGGW 20800 TCGG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
1	9.67	2.89	7953.00	2951.00	4687.00	8602.00	1
2	11.08	2.83	6866.00	4039.00	1482.00	17540.00	2
3	13.18	2.72	7487.00	2796.00	5867.00	10120.00	3
4	13.44	4.15	7176.00	3106.00	2157.00	11130.00	4
5	12.62	3.39	8419.00	2796.00	7048.00	11980.00	5
6	13.79	6.54	8108.00	2796.00	5024.00	14340.00	6
7	13.00	6.45	6710.00	3572.00	976.00	15010.00	7
8	11.16	3.21	7953.00	2019.00	6373.00	5903.00	8
9	13.15	2.86	8108.00	2174.00	6879.00	7084.00	9
10	14.96	3.27	8108.00	2485.00	6205.00	7759.00	10
11	15.63	3.94	7953.00	2951.00	6711.00	9277.00	11
12	14.70	4.76	7953.00	3573.00	7722.00	10960.00	12
13	14.55	2.28	8419.00	3107.00	9747.00	11300.00	13
14	14.73	5.08	7953.00	2641.00	4350.00	8265.00	14
15	14.67	3.97	7953.00	2641.00	8228.00	9445.00	15
16	14.46	4.29	7953.00	2641.00	7723.00	9277.00	16
17	14.38	3.74	7953.00	2951.00	9072.00	9952.00	17
18	14.37	4.26	7953.00	3262.00	8903.00	11810.00	18
19	13.76	4.64	7487.00	3107.00	9240.00	11470.00	19
20	12.01	4.23	8885.00	2951.00	9409.00	12310.00	20
21	13.56	3.04	8108.00	2485.00	7554.00	8434.00	21
22	16.04	3.83	7797.00	3417.00	6879.00	12480.00	22
23	15.48	3.15	7642.00	2640.00	3844.00	8771.00	23
24	14.55	7.48	7953.00	3883.00	5530.00	16870.00	24
25	14.11	5.40	8419.00	2796.00	5698.00	10960.00	25
26	13.21	3.15	8108.00	3106.00	4855.00	9782.00	26
27	14.58	7.27	8000.00	4500.00	6711.00	13320.00	27
28	10.40	3.21	9816.00	2951.00	9915.00	10790.00	28
29	11.02	3.18	8264.00	2330.00	4518.00	9783.00	29
30	10.99	4.50	8885.00	2641.00	6542.00	8434.00	30
31	11.69	3.91	9351.00	2486.00	6542.00	7759.00	31
32	12.54	5.52	8885.00	2951.00	8397.00	11300.00	32
33	12.94	5.23	9506.00	3262.00	8229.00	12820.00	33
34	13.85	3.56	7798.00	3107.00	3168.00	14510.00	34
35	15.43	3.44	8419.00	2796.00	7722.00	8939.00	35
36	8.94	4.91	7953.00	7921.00	3000.00	31880.00	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TSGW 20800 TCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
1	1924.00	3600.00	1745.00	3489.00	-3179.00	3121.00	1
2	611.00	6183.00	863.00	4448.00	-3346.00	5285.00	2
3	4253.00	3134.00	3394.00	1687.00	-2222.00	3246.00	3
4	2644.00	3727.00	3125.00	2416.00	-2347.00	4619.00	4
5	4635.00	3430.00	3202.00	1955.00	-2888.00	3995.00	5
6	3025.00	4023.00	3585.00	2339.00	-1140.00	4495.00	6
7	2136.00	4404.00	2704.00	2837.00	-3096.00	4370.00	7
8	3237.00	3388.00	2588.00	4180.00	-3262.00	3288.00	8
9	3364.00	4362.00	2588.00	5407.00	-3803.00	2997.00	9
10	3406.00	4828.00	2857.00	5598.00	-3803.00	3746.00	10
11	3110.00	6056.00	2243.00	6289.00	-3762.00	4786.00	11
12	2814.00	6860.00	1783.00	7209.00	-4303.00	5327.00	12
13	2941.00	5802.00	1860.00	6519.00	-3970.00	3995.00	13
14	2856.00	5717.00	2205.00	5943.00	-4136.00	4079.00	14
15	3364.00	5293.00	2013.00	6135.00	-4636.00	4161.00	15
16	3491.00	5166.00	2167.00	5828.00	-4386.00	4578.00	16
17	2771.00	5717.00	1898.00	6941.00	-4594.00	4619.00	17
18	2559.00	5590.00	1438.00	6097.00	-5302.00	5160.00	18
19	2475.00	5590.00	1706.00	6672.00	-5135.00	5327.00	19
20	3280.00	5039.00	1937.00	6749.00	-5759.00	4287.00	20
21	4550.00	5463.00	3048.00	6097.00	-5177.00	4453.00	21
22	3576.00	7284.00	3125.00	6557.00	-5135.00	5743.00	22
23	3491.00	5505.00	2857.00	5675.00	-4136.00	4328.00	23
24	2559.00	7792.00	2243.00	6749.00	-5135.00	7990.00	24
25	2856.00	6140.00	1936.00	5752.00	-5593.00	6450.00	25
26	3406.00	5675.00	2550.00	5828.00	-4677.00	4037.00	26
27	3364.00	8428.00	2819.00	7938.00	-6092.00	7366.00	27
28	3788.00	4277.00	2243.00	5138.00	-3803.00	4828.00	28
29	3491.00	4319.00	3164.00	4831.00	-2638.00	4661.00	29
30	4000.00	4066.00	2780.00	4908.00	-3595.00	4620.00	30
31	3999.00	3642.00	2358.00	4793.00	-3429.00	4370.00	31
32	3110.00	4785.00	1285.00	4716.00	-5385.00	6076.00	32
33	4169.00	4235.00	2550.00	5138.00	-4261.00	6450.00	33
34	3449.00	4954.00	2703.00	5675.00	-4303.00	5077.00	34
35	3449.00	5463.00	2435.00	6097.00	-3845.00	4453.00	35
36	-109.00	9698.00	1898.00	7707.00	-2680.00	9696.00	36

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CH-46 FGR STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TSGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
1	-3480.00	3018.00	-1353.00	10200.00	39730.00	11700.00	1
2	-3294.00	5196.00	-992.50	10740.00	40460.00	12720.00	2
3	-4445.00	2987.00	-1715.00	9119.00	39290.00	8921.00	3
4	-4538.00	4387.00	-2708.00	10110.00	38420.00	10380.00	4
5	-5440.00	3734.00	-3792.00	9390.00	39150.00	9068.00	5
6	-4569.00	4045.00	-2076.00	11290.00	39440.00	11990.00	6
7	-4849.00	4014.00	-4785.00	10380.00	38420.00	10680.00	7
8	-3138.00	3547.00	-2708.00	9390.00	37830.00	10680.00	8
9	-3978.00	3765.00	-4062.00	12370.00	35350.00	14330.00	9
10	-4600.00	4014.00	-4243.00	14360.00	35930.00	16960.00	10
11	-4383.00	4791.00	-4333.00	16970.00	36080.00	20620.00	11
12	-4165.00	5133.00	-5597.00	20770.00	36810.00	27200.00	12
13	-4289.00	4263.00	-3882.00	14540.00	37250.00	20040.00	13
14	-4507.00	3920.00	-3972.00	15350.00	37100.00	18430.00	14
15	-5130.00	5289.00	-4062.00	15620.00	36080.00	18280.00	15
16	-4600.00	5258.00	-4604.00	16520.00	36370.00	19450.00	16
17	-4445.00	5351.00	-5145.00	17240.00	35930.00	20770.00	17
18	-5161.00	7560.00	-3340.00	16700.00	36660.00	20040.00	18
19	-4850.00	7249.00	-3159.00	15980.00	37540.00	18870.00	19
20	-4818.00	5663.00	-3882.00	15440.00	37830.00	19160.00	20
21	-5160.00	4574.00	-3882.00	21220.00	37690.00	25740.00	21
22	-5316.00	6783.00	-4965.00	17060.00	38860.00	23690.00	22
23	-4632.00	4418.00	-5688.00	17060.00	35780.00	19740.00	23
24	-5969.00	8556.00	-3791.00	24020.00	35200.00	29690.00	24
25	-5720.00	7996.00	-1263.00	18420.00	40030.00	21940.00	25
26	-5471.00	4574.00	-3069.00	17700.00	38420.00	20040.00	26
27	-4134.00	8836.00	-3340.00	25550.00	39000.00	29690.00	27
28	-3698.00	4232.00	-2257.00	11650.00	39440.00	13750.00	28
29	-4009.00	4107.00	-3701.00	15620.00	35640.00	17260.00	29
30	-3667.00	4325.00	-1263.00	10830.00	37690.00	12280.00	30
31	-4134.00	4045.00	-2076.00	11290.00	37830.00	12430.00	31
32	-4382.00	6845.00	-1625.00	13540.00	37830.00	13890.00	32
33	-3294.00	6067.00	-3340.00	13810.00	36950.00	15360.00	33
34	-4601.00	5320.00	-4604.00	15260.00	36950.00	17400.00	34
35	-4787.00	4636.00	-4784.00	15980.00	36660.00	19740.00	35
36	-2890.00	8338.00	-2527.00	13720.00	37390.00	18140.00	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TGGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
1	32120.00	12270.00	-233.60	975.80	-1083.00	754.90	1
2	33280.00	14760.00	-20.16	1067.00	-852.70	1111.00	2
3	34770.00	7960.00	-20.16	945.30	-1094.00	723.40	3
4	34110.00	9618.00	101.80	1494.00	-915.60	964.60	4
5	34440.00	10230.00	254.30	1037.00	-968.00	765.30	5
6	33610.00	11110.00	132.30	975.80	-1345.00	849.20	6
7	32780.00	11940.00	-81.13	1006.00	-988.90	870.20	7
8	30790.00	10610.00	-538.50	1525.00	-1471.00	1248.00	8
9	30290.00	15090.00	-904.40	2439.00	-1765.00	1751.00	9
10	31950.00	19070.00	-934.90	2775.00	-1933.00	1919.00	10
11	31790.00	24870.00	-1149.00	3476.00	-2237.00	2327.00	11
12	31950.00	33000.00	-1362.00	3934.00	-2394.00	2632.00	12
13	32280.00	24050.00	-965.40	3110.00	-1943.00	2013.00	13
14	32620.00	19730.00	-934.90	3019.00	-2100.00	2108.00	14
15	31290.00	20400.00	-1087.00	2927.00	-1891.00	2044.00	15
16	31620.00	21390.00	-782.50	2866.00	-2100.00	2087.00	16
17	32450.00	23880.00	-1179.00	3263.00	-2132.00	2160.00	17
18	31290.00	21390.00	-721.50	2927.00	-2017.00	2191.00	18
19	29960.00	20400.00	-904.40	2927.00	-2038.00	2149.00	19
20	32950.00	20400.00	-1515.00	2745.00	-2017.00	2086.00	20
21	31120.00	27530.00	-1240.00	2958.00	-2279.00	2181.00	21
22	35770.00	28520.00	-1515.00	3415.00	-2342.00	2621.00	22
23	31120.00	21230.00	-904.40	3049.00	-1995.00	2086.00	23
24	32110.00	36140.00	-752.20	3507.00	-2017.00	2443.00	24
25	35270.00	25700.00	-965.40	2866.00	-1817.00	2055.00	25
26	32620.00	21390.00	-934.90	2897.00	-1943.00	1992.00	26
27	30630.00	27690.00	-1179.00	3507.00	-1534.00	2569.00	27
28	30960.00	13430.00	-752.00	1799.00	-1691.00	1489.00	28
29	29130.00	16580.00	-1026.00	2012.00	-1964.00	1698.00	29
30	30960.00	11770.00	-752.00	1799.00	-1681.00	1499.00	30
31	30790.00	12270.00	-843.40	1708.00	-1576.00	1478.00	31
32	30290.00	13430.00	-477.60	1769.00	-1723.00	1730.00	32
33	30790.00	15920.00	10.34	1830.00	-1492.00	1814.00	33
34	32620.00	19730.00	-843.50	2866.00	-1985.00	1992.00	34
35	32450.00	23550.00	-935.10	3202.00	-2080.00	2191.00	35
36	35270.00	21060.00	-934.90	2104.00	-1199.00	1373.00	36

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TSGW 20800 TCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT
1	-180.60	559.20	1036.00	200.50	930.00	187.10
2	-99.38	658.40	1081.00	497.60	937.50	314.20
3	-397.00	469.00	924.90	237.70	885.10	217.00
4	-144.50	631.30	1029.00	267.40	900.10	306.80
5	-478.20	514.10	872.90	304.50	937.50	269.30
6	-297.80	604.30	954.60	341.60	810.30	306.80
7	-469.20	667.40	1029.00	371.30	922.50	299.30
8	-270.80	631.30	954.60	163.40	930.00	217.00
9	-351.90	1019.00	880.30	208.00	989.80	217.00
10	-397.00	1136.00	887.70	245.10	967.40	254.40
11	-478.20	1254.00	887.70	289.60	974.90	336.70
12	-442.10	1326.00	895.20	326.80	997.30	359.10
13	-496.20	1145.00	887.80	274.80	982.30	269.30
14	-397.00	1172.00	917.50	289.60	989.80	276.80
15	-415.10	1191.00	850.60	282.20	1012.00	284.30
16	-451.10	1154.00	850.60	282.20	1027.00	314.30
17	-460.10	1182.00	850.60	297.10	989.80	306.80
18	-442.10	1127.00	865.50	371.30	1057.00	344.20
19	-487.20	1082.00	872.90	363.90	1050.00	366.60
20	-523.30	1064.00	858.10	363.90	1132.00	269.30
21	-559.30	1263.00	843.20	274.80	1050.00	291.80
22	-649.50	1461.00	872.90	408.50	1035.00	381.60
23	-541.30	1173.00	939.80	267.40	967.40	299.30
24	-442.10	1416.00	872.90	512.40	952.40	523.80
25	-360.90	1245.00	910.10	341.60	1087.00	419.00
26	-478.20	1254.00	902.60	289.60	1035.00	261.90
27	-216.60	1515.00	850.60	430.80	1125.00	471.30
28	-342.90	793.70	902.60	215.40	989.80	306.80
29	-622.50	874.80	962.00	245.10	900.10	306.80
30	-406.00	802.70	924.90	193.10	967.40	284.30
31	-406.00	730.50	947.20	185.70	967.40	284.30
32	-595.40	865.80	910.00	311.90	1057.00	389.10
33	-523.30	920.00	843.20	304.50	997.30	404.00
34	-442.10	1200.00	1014.00	326.80	1027.00	329.20
35	-451.10	1245.00	887.80	274.80	967.40	299.30
36	-9.19	766.60	1118.00	861.50	907.60	568.60

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 138
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41860SDY	41860ALT	EVENT
1	27390.00	5839.00	1
2	19220.00	8044.00	2
3	3651.00	4931.00	3
4	9878.00	9601.00	4
5	4299.00	7655.00	5
6	3910.00	9082.00	6
7	-761.00	7785.00	7
8	18050.00	6098.00	8
9	4375.00	8693.00	9
10	-1799.00	10120.00	10
11	-1280.00	11680.00	11
12	-761.00	13230.00	12
13	4040.00	9472.00	13
14	-112.00	11030.00	14
15	147.50	11290.00	15
16	-761.00	11160.00	16
17	277.00	11680.00	17
18	5597.00	12070.00	18
19	4688.00	11160.00	19
20	16110.00	9601.00	20
21	-7637.00	18810.00	21
22	-112.50	13880.00	22
23	-4783.00	11290.00	23
24	-2318.00	17130.00	24
25	8192.00	12590.00	25
26	2743.00	12330.00	26
27	1445.00	16740.00	27
28	21300.00	7526.00	28
29	9360.00	12460.00	29
30	22460.00	6877.00	30
31	13510.00	6747.00	31
32	8062.00	8823.00	32
33	7803.00	8823.00	33
34	-1929.00	10250.00	34
35	-3356.00	10640.00	35
36	20650.00	12590.00	36

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
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EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	3.75	7.47	11.21	-3.72	9.23	.67	2
3	3.29	7.42	11.05	-4.13	9.61	.72	3
4	3.75	7.47	11.71	-3.72	9.73	.84	4
5	3.66	7.96	11.62	-4.30	10.45	.72	5
6	3.58	7.22	10.80	-3.64	9.65	.67	6
7	4.03	7.51	11.54	-3.80	8.72	.84	7
8	3.21	7.59	11.54	-4.38	8.09	.72	8
9	3.42	7.05	10.47	-3.64	9.61	.63	9
10	4.74	8.04	12.78	-3.80	11.13	1.56	10
11	3.62	6.85	10.47	-3.23	9.73	.67	11
12	3.17	7.05	10.63	-3.89	8.72	.84	12
13	3.42	6.56	9.97	-3.14	12.01	.76	13
14	3.83	6.64	10.47	-2.81	10.66	.67	14
15	3.70	7.26	11.05	-3.64	11.72	.89	15
16	3.62	7.09	10.88	-3.55	10.96	.80	16
17	3.21	7.01	10.55	-3.20	10.03	.72	17
18	3.87	7.18	11.05	-3.64	12.01	.76	18
19	3.99	7.63	11.62	-3.64	10.83	.59	19
20	3.50	6.56	10.06	-3.06	11.38	.63	20
21	3.21	7.59	10.88	-4.38	11.38	.80	21
22	2.96	7.26	10.22	-4.30	10.45	.89	22
23	3.09	6.89	9.97	-3.80	10.58	.67	23
24	3.62	6.68	10.30	-3.06	10.16	.67	24
25	3.38	6.43	9.97	-3.06	10.70	.63	25
26	3.46	6.76	10.22	-3.31	10.62	.72	26
27	2.63	8.66	11.29	-6.03	10.62	.80	27
28	3.17	5.98	9.15	-2.81	9.06	.51	28
29	3.09	5.73	8.98	-2.65	8.38	.51	29
30	3.33	4.91	8.24	-1.57	7.24	.38	30
31	2.76	4.74	7.50	-1.99	7.16	.38	31
32	2.18	4.00	6.18	-1.82	6.02	.25	32
33	2.63	4.13	6.76	-1.49	5.90	.30	33
34	2.76	4.83	7.58	-2.07	6.06	.46	34
35	3.99	4.74	8.74	-1.08	5.47	.46	35
36	3.21	4.78	9.48	-1.57	5.94	.42	36
37	3.46	3.63	7.09	-.42	5.85	.25	37
38	2.72	3.47	6.26	-.75	6.02	.25	38
39	3.00	3.75	6.76	-.91	6.11	.34	39
40	2.76	4.08	6.84	-1.33	6.06	.38	40
41	2.88	5.77	8.65	-2.90	5.85	.51	41
42	4.03	6.19	10.22	-2.15	9.56	.59	42
43	3.33	6.31	9.64	-3.14	9.23	.59	43
44	4.45	5.44	9.89	-1.00	10.20	.55	44
45	3.91	7.30	11.21	-3.39	10.37	.89	45
46	2.84	7.80	10.63	-4.96	10.45	1.05	46
47	2.88	7.51	10.39	-4.63	8.98	.84	47
48	3.25	7.38	10.63	-4.38	9.99	1.01	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
49	2.96	8.00	10.96	-5.04	8.38	1.10	49

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
2	10.96	4.36	13990.00	2485.00	8749.00	6915.00	2
3	11.37	3.77	14300.00	2174.00	7062.00	6915.00	3
4	10.99	4.21	14770.00	2640.00	8749.00	8264.00	4
5	12.21	4.21	14920.00	2485.00	10100.00	9613.00	5
6	11.69	2.98	13680.00	1553.00	6556.00	4722.00	6
7	10.69	3.45	14920.00	2174.00	8917.00	7083.00	7
8	10.66	3.42	14920.00	2485.00	9086.00	8601.00	8
9	11.48	3.13	14300.00	1553.00	6050.00	4891.00	9
10	10.96	3.48	14610.00	1553.00	11950.00	8095.00	10
11	11.51	3.69	14150.00	3261.00	4532.00	10460.00	11
12	10.58	4.33	14300.00	4037.00	6556.00	16190.00	12
13	14.23	2.25	14610.00	1863.00	6725.00	5903.00	13
14	11.48	2.78	15390.00	2019.00	8074.00	7252.00	14
15	13.01	2.72	15080.00	1708.00	9423.00	6915.00	15
16	12.68	2.87	15700.00	2019.00	8411.00	6915.00	16
17	11.72	2.78	14920.00	1864.00	8411.00	5903.00	17
18	12.83	2.14	14770.00	1708.00	8411.00	5565.00	18
19	12.01	2.60	14920.00	1864.00	8411.00	6577.00	19
20	13.03	1.23	14770.00	1397.00	8411.00	4891.00	20
21	13.24	3.66	14300.00	1863.00	6219.00	5397.00	21
22	12.68	3.69	14610.00	2174.00	6556.00	7758.00	22
23	11.69	5.21	14300.00	1863.00	5544.00	6746.00	23
24	11.98	2.28	14920.00	1553.00	7062.00	5566.00	24
25	11.57	2.63	15080.00	1708.00	7399.00	6577.00	25
26	12.30	2.31	15080.00	2019.00	8917.00	6071.00	26
27	12.94	7.57	14000.00	4000.00	3858.00	9782.00	27
28	10.40	2.28	15080.00	2019.00	6219.00	6746.00	28
29	9.26	2.55	14920.00	2795.00	6894.00	8770.00	29
30	8.70	1.29	14920.00	2795.00	7062.00	8601.00	30
31	5.14	3.34	15860.00	3105.00	2340.00	11970.00	31
32	5.02	3.51	16010.00	3261.00	4364.00	9276.00	32
33	5.57	3.31	15540.00	4348.00	4364.00	12310.00	33
34	6.16	4.13	15390.00	3261.00	6893.00	11470.00	34
35	8.09	1.90	16480.00	3416.00	5544.00	14170.00	35
36	6.74	2.66	16480.00	3105.00	4701.00	9950.00	36
37	4.93	1.73	16170.00	3106.00	3639.00	9276.00	37
38	6.07	1.64	15230.00	3106.00	4870.00	10120.00	38
39	5.28	2.19	16010.00	3571.00	5376.00	11300.00	39
40	5.49	2.87	15700.00	3572.00	5207.00	10120.00	40
41	6.34	4.77	14460.00	4193.00	3521.00	12140.00	41
42	11.16	3.34	12280.00	3261.00	4870.00	9445.00	42
43	10.40	3.51	12130.00	4037.00	4026.00	15680.00	43
44	11.54	3.42	12590.00	2950.00	6338.00	10290.00	44
45	11.54	4.71	11510.00	5280.00	4532.00	18890.00	45
46	11.45	3.39	9955.00	7143.00	1834.00	32720.00	46
47	11.48	3.31	10110.00	7298.00	2846.00	24290.00	47
48	9.32	3.19	10890.00	6522.00	-190.00	23610.00	48

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AIRCRAFT SLP1 FLIGHT 139
TGW 20800 TCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
49	9.58	3.45	9644.00	6832.00	2509.00	22600.00	49

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TSGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	3242.00	3472.00	2553.00	4144.00	-2759.00	4203.00	2
3	3581.00	3049.00	2515.00	3721.00	-2593.00	4120.00	3
4	3369.00	3684.00	2323.00	4834.00	-3342.00	4120.00	4
5	3242.00	3896.00	2055.00	4949.00	-2592.00	4287.00	5
6	3199.00	2668.00	2783.00	3146.00	-2842.00	3122.00	6
7	3327.00	3303.00	2592.00	4028.00	-3508.00	4370.00	7
8	3411.00	3388.00	2591.00	4489.00	-3009.00	4536.00	8
9	3157.00	2626.00	2898.00	3031.00	-2967.00	2913.00	9
10	4555.00	3091.00	3781.00	3760.00	-5048.00	4162.00	10
11	1125.00	4658.00	1441.00	3261.00	-3175.00	4204.00	11
12	743.50	5633.00	519.50	4873.00	-3383.00	4828.00	12
13	3369.00	3854.00	3129.00	4642.00	-3550.00	3080.00	13
14	3327.00	3726.00	2591.00	4796.00	-3133.00	3413.00	14
15	3411.00	3727.00	2937.00	4834.00	-3883.00	3163.00	15
16	3284.00	3769.00	2860.00	4834.00	-3882.00	3080.00	16
17	3411.00	3642.00	2668.00	4643.00	-3966.00	2747.00	17
18	3920.00	3726.00	3282.00	4643.00	-3300.00	2664.00	18
19	3877.00	4277.00	3129.00	4796.00	-3508.00	2539.00	19
20	3369.00	3176.00	3014.00	4143.00	-3591.00	2622.00	20
21	2946.00	3938.00	2783.00	4297.00	-3425.00	2788.00	21
22	3158.00	4912.00	3321.00	5064.00	-3051.00	3247.00	22
23	3623.00	3769.00	3589.00	4489.00	-2093.00	4453.00	23
24	3284.00	3600.00	2860.00	4451.00	-3592.00	2706.00	24
25	3962.00	3515.00	2860.00	4527.00	-4174.00	4120.00	25
26	4301.00	3769.00	3589.00	4566.00	-3092.00	3371.00	26
27	3750.00	4150.00	2899.00	5180.00	-3883.00	3995.00	27
28	3200.00	3430.00	2323.00	4604.00	-2884.00	3246.00	28
29	2607.00	3938.00	1402.00	5218.00	-2718.00	3246.00	29
30	1887.00	3980.00	1095.00	4758.00	-2384.00	3413.00	30
31	320.00	5463.00	-401.50	5641.00	-2717.00	3663.00	31
32	616.20	4404.00	-325.00	4873.00	-2218.00	2331.00	32
33	-400.50	5421.00	-440.00	5602.00	-3009.00	3787.00	33
34	277.50	5167.00	59.00	5640.00	-3300.00	3330.00	34
35	1506.00	5209.00	327.50	6293.00	-4007.00	4037.00	35
36	1887.00	4827.00	980.00	5333.00	-5298.00	3246.00	36
37	1337.00	4193.00	-18.00	4566.00	-2551.00	2414.00	37
38	1336.00	4616.00	-171.00	5103.00	-3050.00	2997.00	38
39	912.70	4700.00	-171.00	5410.00	-3425.00	3038.00	39
40	150.50	5040.00	519.50	5641.00	-2260.00	4120.00	40
41	870.00	5590.00	-133.00	6139.00	-5756.00	4120.00	41
42	1972.00	3726.00	2170.00	3299.00	-3009.00	3621.00	42
43	954.50	6014.00	1018.00	4144.00	-3259.00	4537.00	43
44	2734.00	3980.00	2285.00	3108.00	-4549.00	4745.00	44
45	1252.00	6480.00	212.50	5564.00	-4632.00	6159.00	45
46	573.50	8936.00	1249.00	8135.00	-2843.00	3947.00	46
47	-400.00	7792.00	1364.00	7329.00	-3592.00	9281.00	47
48	531.50	7369.00	443.00	7175.00	-2967.00	9322.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TBGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
49	1633.00	6861.00	3551.00	6062.00	-969.50	10650.00	49

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TGGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-2979.00	3888.00	-2079.00	10560.00	40500.00	12450.00	2
3	-3228.00	3950.00	-1537.00	10920.00	41820.00	12300.00	3
4	-3353.00	4012.00	-2530.00	12280.00	42110.00	12300.00	4
5	-3291.00	4012.00	-2169.00	11560.00	42700.00	12890.00	5
6	-3664.00	2706.00	-2079.00	10020.00	41970.00	11280.00	6
7	-2948.00	4044.00	-2169.00	11740.00	42110.00	13480.00	7
8	-3104.00	4137.00	-2801.00	11470.00	40650.00	13770.00	8
9	-3073.00	2550.00	-2711.00	8847.00	42550.00	10400.00	9
10	-4245.00	3173.00	-2801.00	12550.00	42410.00	12890.00	10
11	-3135.00	3732.00	-1718.00	11100.00	45330.00	13180.00	11
12	-2824.00	4914.00	-3072.00	14080.00	42840.00	13920.00	12
13	-3602.00	3390.00	-3523.00	12550.00	39920.00	14500.00	13
14	-2917.00	3950.00	-3162.00	11280.00	40210.00	12740.00	14
15	-3291.00	3079.00	-3162.00	12550.00	40210.00	13620.00	15
16	-3135.00	3732.00	-3072.00	12100.00	39920.00	13620.00	16
17	-2731.00	3079.00	-3162.00	11650.00	39620.00	13330.00	17
18	-3322.00	3359.00	-3343.00	13810.00	38890.00	14060.00	18
19	-3415.00	3141.00	-4065.00	12910.00	37860.00	13620.00	19
20	-3664.00	2146.00	-3162.00	11650.00	40210.00	12740.00	20
21	-3850.00	2395.00	-3162.00	11280.00	41380.00	11860.00	21
22	-3166.00	3266.00	-2350.00	13900.00	40940.00	14940.00	22
23	-1424.00	4821.00	-2982.00	11280.00	40500.00	12160.00	23
24	-2917.00	3079.00	-2801.00	10920.00	40500.00	12160.00	24
25	-2793.00	3701.00	-3794.00	11010.00	40500.00	13330.00	25
26	-3041.00	2955.00	-2169.00	16430.00	40790.00	17720.00	26
27	-2980.00	4012.00	-4065.00	15260.00	39330.00	16850.00	27
28	-1984.00	3453.00	-1628.00	10470.00	40500.00	10990.00	28
29	-1953.00	4043.00	-2350.00	11010.00	40210.00	12450.00	29
30	-1611.00	3639.00	-2259.00	10200.00	40350.00	11720.00	30
31	-615.80	3639.00	-3072.00	10650.00	40350.00	14350.00	31
32	-1175.00	2333.00	-2711.00	7042.00	45920.00	9668.00	32
33	-709.20	3795.00	-1808.00	9208.00	43140.00	14210.00	33
34	-2295.00	3390.00	-3523.00	10020.00	46800.00	15230.00	34
35	-2140.00	3608.00	-3072.00	11190.00	44020.00	15670.00	35
36	-2295.00	3079.00	-2891.00	13000.00	39040.00	17140.00	36
37	-2450.00	3546.00	-3253.00	8125.00	46650.00	12160.00	37
38	-1144.00	2613.00	-2530.00	9208.00	42990.00	14060.00	38
39	-1362.00	3079.00	-273.00	8937.00	43720.00	13330.00	39
40	-242.70	4261.00	-1718.00	9298.00	42110.00	13480.00	40
41	-4006.00	3857.00	-2891.00	12280.00	38890.00	16110.00	41
42	-3415.00	3203.00	-183.00	11370.00	41670.00	12740.00	42
43	-3570.00	3795.00	-3343.00	11100.00	38160.00	10990.00	43
44	-4317.00	4976.00	-1267.00	12100.00	41820.00	13480.00	44
45	-3477.00	5505.00	-4155.00	13000.00	39040.00	14790.00	45
46	-1674.00	9362.00	-5148.00	16520.00	36250.00	18750.00	46
47	-1052.00	9984.00	-905.00	13180.00	34500.00	15530.00	47
48	-56.00	10230.00	-3072.00	13360.00	35230.00	14790.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
49	-1829.00	11200.00	-724.50	13000.00	36550.00	14060.00	49

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FLIGHT LEADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TSGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	34790.00	12260.00	-499.80	1373.00	-1263.00	1185.00	2
3	35120.00	12920.00	-499.80	1251.00	-1242.00	1185.00	3
4	32970.00	12760.00	-621.90	1617.00	-1536.00	1289.00	4
5	36280.00	13090.00	-316.80	1495.00	-1410.00	1247.00	5
6	35780.00	10930.00	-286.30	1098.00	-1263.00	1017.00	6
7	35950.00	12760.00	-408.30	1342.00	-1232.00	1216.00	7
8	34130.00	13920.00	-530.30	1464.00	-1368.00	1373.00	8
9	36610.00	10770.00	-286.30	1098.00	-1242.00	1038.00	9
10	35450.00	11930.00	-926.90	1312.00	-1829.00	1289.00	10
11	37770.00	14580.00	49.31	1312.00	-812.20	901.50	11
12	36450.00	13920.00	49.31	1373.00	-487.30	1038.00	12
13	35450.00	14910.00	-438.80	2105.00	-1483.00	1572.00	13
14	34790.00	12590.00	-560.80	1739.00	-1588.00	1426.00	14
15	34290.00	14410.00	-560.80	1922.00	-1557.00	1520.00	15
16	33300.00	13420.00	-713.40	1830.00	-1588.00	1489.00	16
17	35290.00	13090.00	-560.80	1922.00	-1567.00	1447.00	17
18	33630.00	13750.00	-469.30	1891.00	-1347.00	1436.00	18
19	32970.00	14750.00	-530.30	1830.00	-1315.00	1405.00	19
20	35120.00	11930.00	-469.30	1769.00	-1441.00	1342.00	20
21	34460.00	10270.00	-560.80	1861.00	-1525.00	1447.00	21
22	34290.00	12430.00	-347.30	2013.00	-1263.00	1394.00	22
23	35120.00	10600.00	171.30	1800.00	-1305.00	1352.00	23
24	34460.00	10600.00	-469.30	1708.00	-1326.00	1268.00	24
25	35780.00	13590.00	-499.80	1800.00	-1483.00	1447.00	25
26	35290.00	16400.00	-255.80	1861.00	-1273.00	1468.00	26
27	34620.00	13750.00	18.81	1952.00	-1095.00	1394.00	27
28	34960.00	9112.00	-377.80	1556.00	-1242.00	1143.00	28
29	34790.00	10930.00	-530.30	1647.00	-1179.00	1185.00	29
30	35290.00	11100.00	-408.30	1525.00	-1043.00	1090.00	30
31	35950.00	16070.00	-591.30	1830.00	-843.70	1373.00	31
32	40920.00	8449.00	-499.80	1678.00	-948.50	1310.00	32
33	37110.00	15570.00	-621.90	1678.00	-1095.00	1373.00	33
34	39430.00	15240.00	-530.30	1830.00	-1190.00	1551.00	34
35	37110.00	16240.00	-1202.00	1952.00	-1431.00	1688.00	35
36	33130.00	16900.00	-1354.00	2166.00	-1672.00	1740.00	36
37	40260.00	13090.00	-591.30	1586.00	-1043.00	1300.00	37
38	36780.00	13920.00	-591.30	2013.00	-896.10	1363.00	38
39	35780.00	13590.00	-530.30	1647.00	-854.20	1216.00	39
40	36280.00	14410.00	-286.30	2258.00	-728.40	1719.00	40
41	30150.00	16900.00	-530.30	2013.00	-1357.00	1614.00	41
42	34460.00	12920.00	-72.75	1129.00	-1137.00	911.90	42
43	31810.00	11600.00	-164.30	915.20	-938.00	985.30	43
44	34620.00	12760.00	-286.30	1342.00	-1190.00	1006.00	44
45	31640.00	16730.00	79.81	1708.00	-969.50	1247.00	45
46	31640.00	23030.00	18.81	1952.00	-529.20	1541.00	46
47	27500.00	22200.00	140.80	1769.00	-676.00	1436.00	47
48	28660.00	20380.00	18.78	1464.00	-780.80	1247.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TSGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	A1780SDY	A1780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
49	32800.00	17560.00	79.81	1647.00	-1053.00	1499.00	49

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TORGW 20800 TBCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-352.10	658.70	924.80	163.40	884.70	261.50	2
3	-289.00	685.80	954.50	163.40	884.70	261.50	3
4	-216.80	830.20	850.50	208.00	937.00	254.10	4
5	-144.60	739.90	954.50	208.00	899.70	276.50	5
6	-325.10	577.50	932.20	126.30	892.20	194.30	6
7	-352.10	712.80	932.20	170.80	929.50	276.50	7
8	-316.00	748.90	939.60	178.30	922.10	269.00	8
9	-280.00	568.50	947.00	126.30	914.60	171.80	9
10	-586.70	785.00	791.10	237.70	1019.00	261.50	10
11	-289.00	595.50	1066.00	319.40	922.10	254.10	11
12	-99.47	550.40	1014.00	475.40	914.60	291.40	12
13	-370.20	983.50	895.00	178.30	922.00	209.20	13
14	-370.20	821.10	932.20	156.00	899.60	216.70	14
15	-352.10	911.40	887.60	170.80	929.50	216.70	15
16	-352.10	911.40	895.10	193.10	937.00	209.20	16
17	-361.20	866.20	924.80	163.40	966.90	179.30	17
18	-361.20	812.10	872.80	156.00	907.10	194.30	18
19	-370.20	803.10	872.80	200.60	907.10	179.30	19
20	-370.20	821.10	895.00	118.80	937.00	179.30	20
21	-316.00	875.30	961.90	185.70	914.60	186.80	21
22	-298.00	965.50	932.20	215.40	884.70	216.70	22
23	-424.30	911.40	887.60	185.70	832.40	283.90	23
24	-289.00	739.90	954.50	148.50	907.10	179.30	24
25	-478.50	767.00	887.60	170.80	944.50	276.50	25
26	-325.10	794.10	872.80	170.80	892.20	224.20	26
27	-442.40	875.20	984.20	252.60	937.00	254.10	27
28	-225.80	622.60	961.90	156.00	907.10	194.30	28
29	-126.50	685.80	969.30	222.30	877.20	224.20	29
30	-270.90	595.50	932.20	215.40	862.30	194.30	30
31	-135.60	694.80	1096.00	334.30	907.10	224.20	31
32	26.88	604.60	1222.00	222.80	951.90	149.40	32
33	26.84	586.50	1185.00	349.10	944.50	246.60	33
34	-54.38	721.90	1014.00	297.10	899.60	216.70	34
35	-117.50	748.90	1021.00	304.60	1019.00	276.50	35
36	-316.00	983.50	1014.00	282.30	1139.00	216.70	36
37	26.84	622.60	1177.00	237.70	981.80	164.40	37
38	8.81	658.70	1118.00	252.60	929.50	186.80	38
39	99.03	640.70	1170.00	245.10	959.40	216.70	39
40	-54.34	758.00	1148.00	282.30	899.70	276.50	40
41	-424.30	748.90	1029.00	312.00	1101.00	269.00	41
42	-261.90	640.70	999.00	252.50	907.10	224.20	42
43	-81.44	550.40	961.90	482.80	944.50	291.40	43
44	-334.10	604.60	924.80	312.00	1012.00	313.80	44
45	-189.70	676.80	947.10	527.40	989.30	351.20	45
46	180.30	812.10	1088.00	802.20	847.30	582.80	46
47	53.91	685.80	1162.00	727.90	854.80	620.20	47
48	-9.25	658.70	1103.00	668.50	854.80	575.40	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
49	-63.38	821.10	999.00	653.70	802.50	627.70	49

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CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA. VOLUME I--ETC(U)

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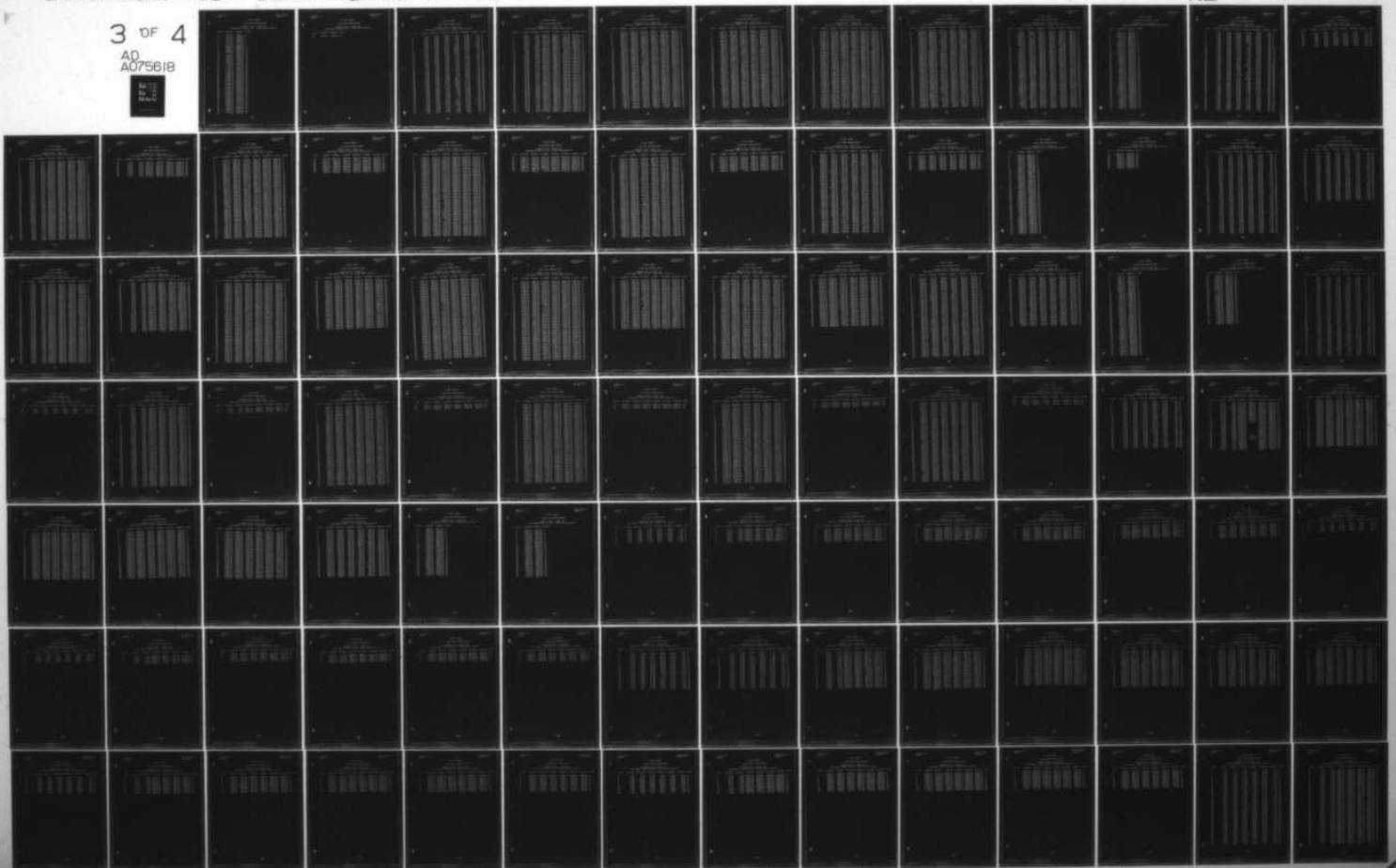
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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139
TSGW 20300 TECG 9.7 AFT FLIGHT DATE 08/30/77

EVENT	41860SDY	41860ALT	EVENT
2	17520.00	6362.00	2
3	23360.00	6492.00	3
4	12460.00	7271.00	4
5	17000.00	6882.00	5
6	21670.00	5843.00	6
7	27260.00	7011.00	7
8	21540.00	6882.00	8
9	21800.00	6233.00	9
10	9860.00	12980.00	10
11	23230.00	6881.00	11
12	27650.00	8699.00	12
13	4874.00	8440.00	13
14	15180.00	6881.00	14
15	8172.00	8699.00	15
16	17650.00	7790.00	16
17	19990.00	7531.00	17
18	5705.00	7790.00	18
19	14140.00	6882.00	19
20	11030.00	7141.00	20
21	11030.00	7661.00	21
22	17130.00	9089.00	22
23	15570.00	7271.00	23
24	18040.00	6622.00	24
25	10380.00	7271.00	25
26	13760.00	8829.00	26
27	16220.00	8180.00	27
28	24920.00	5713.00	28
29	33490.00	5973.00	29
30	34010.00	5453.00	30
31	39980.00	5973.00	31
32	51410.00	3636.00	32
33	46600.00	6103.00	33
34	51800.00	5583.00	34
35	51540.00	6362.00	35
36	51280.00	6103.00	36
37	52840.00	4804.00	37
38	46080.00	4544.00	38
39	46600.00	4804.00	39
40	46080.00	5583.00	40
41	49720.00	6103.00	41
42	22580.00	6492.00	42
43	23750.00	7141.00	43
44	14400.00	7141.00	44
45	15440.00	8699.00	45
46	12850.00	14410.00	46
47	17130.00	10910.00	47
48	17910.00	11430.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 139

TGWW 20800 TBCG 9.7 AFT FLIGHT DATE 08/30/77

EVENT 41860SDY 41860ALT EVENT

49 3758.00 9738.00 49

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TEGW 24300 TEGG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
1	4.18	4.22	8.39	-0.04	13.38	.47	1
2	3.97	5.33	9.63	-1.44	12.95	.72	2
3	4.39	5.16	9.55	-.95	13.38	.64	3
4	4.43	3.80	8.31	.63	13.34	.51	4
5	4.51	4.96	9.47	-.45	12.45	1.15	5
6	5.21	5.33	10.54	-.20	12.32	1.61	6
7	3.68	5.87	11.45	-2.19	14.69	1.61	7
8	4.43	10.25	14.67	-5.82	13.25	1.27	8
9	4.43	9.75	14.34	-5.32	13.46	.81	9
10	1.45	3.72	5.17	-2.27	8.21	.21	10
11	2.11	6.69	8.97	-4.58	9.10	.42	11
12	2.28	6.12	8.39	-4.00	9.14	.30	12
13	4.18	2.31	6.74	1.86	11.60	.81	13
14	4.72	4.50	9.22	.21	13.38	.72	14
15	4.76	5.70	10.54	-1.44	11.81	1.02	15
16	4.34	2.56	6.99	1.78	11.47	.51	16
17	4.26	2.07	6.33	2.20	11.09	.47	17
18	4.39	3.35	7.73	1.04	10.79	.51	18
19	4.51	1.74	6.24	2.53	10.41	.47	19
20	4.04	2.35	6.74	1.70	10.45	.51	20
21	4.18	1.98	6.24	2.20	10.67	.47	21
22	4.94	2.60	7.57	2.11	12.57	.59	22
23	4.34	4.71	9.14	-.37	13.76	.59	23
24	4.59	5.04	9.63	-.45	13.46	.64	24
25	4.51	5.45	9.96	-.95	13.25	.68	25
26	4.26	6.86	11.20	-2.60	11.81	1.10	26
27	3.93	6.69	10.79	-2.76	11.43	1.15	27
28	3.93	6.36	10.54	-2.52	10.67	.98	28
29	4.06	6.32	10.46	-2.27	10.62	1.02	29
30	3.93	6.12	10.05	-2.19	10.41	.89	30
31	4.39	7.31	11.70	-2.93	11.39	1.36	31
32	4.59	2.89	7.48	1.53	13.72	.30	32
33	4.68	2.89	7.65	1.78	13.68	.34	33
34	4.68	3.31	8.06	1.29	14.52	.34	34
35	4.63	3.43	8.06	1.20	14.44	.34	35
36	4.59	3.64	8.23	.79	14.23	.38	36
37	4.39	3.60	7.98	.79	14.57	.47	37
38	4.14	3.84	8.06	.13	14.74	.55	38
39	3.93	8.10	12.11	-4.17	10.75	1.31	39
40	3.85	8.68	12.53	-4.83	10.79	1.34	40
41	3.85	7.93	11.78	-4.09	11.60	1.15	41
42	4.24	7.19	11.45	-2.93	8.46	1.06	42
43	4.59	4.05	8.72	.13	13.04	.55	43
44	3.93	3.88	7.81	-.95	10.07	.64	44
45	2.15	8.31	10.46	-6.32	8.33	.51	45
46	1.82	8.14	10.05	-6.32	8.63	.38	46

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TCGW 24300 TCCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
1	13.81	3.25	7305.00	3576.00	2710.00	15710.00	1
2	13.40	3.83	6994.00	3887.00	851.50	16220.00	2
3	13.61	4.85	7616.00	3887.00	5245.00	15210.00	3
4	13.90	3.40	7616.00	2954.00	3893.00	11830.00	4
5	14.71	4.96	6994.00	3576.00	-838.00	13860.00	5
6	14.86	3.89	7461.00	3732.00	2710.00	16050.00	6
7	12.71	6.33	6994.00	3265.00	4231.00	13860.00	7
8	13.81	8.77	7150.00	3421.00	2710.00	13690.00	8
9	13.38	10.19	6994.00	3576.00	175.50	15540.00	9
10	8.01	2.56	8238.00	2643.00	344.50	7604.00	10
11	9.75	6.21	7616.00	2021.00	1358.00	7941.00	11
12	9.57	6.27	8083.00	2177.00	1527.00	8110.00	12
13	12.27	3.92	7772.00	4354.00	3893.00	16900.00	13
14	13.61	3.92	9015.00	4353.00	10140.00	17740.00	14
15	12.30	3.14	8394.00	4354.00	3386.00	20780.00	15
16	12.85	4.03	9326.00	4353.00	9638.00	16900.00	16
17	12.36	3.89	9326.00	4353.00	11160.00	19090.00	17
18	12.42	4.41	9793.00	4198.00	7948.00	16560.00	18
19	12.21	3.92	9482.00	4509.00	4062.00	17070.00	19
20	12.27	4.21	8860.00	3887.00	9807.00	15710.00	20
21	11.87	3.86	8238.00	3887.00	4062.00	16050.00	21
22	13.81	4.01	10260.00	7152.00	9637.00	32440.00	22
23	13.58	3.14	7772.00	3732.00	3724.00	14360.00	23
24	13.75	3.08	7772.00	3421.00	3386.00	14700.00	24
25	13.49	3.05	8394.00	3732.00	3555.00	15540.00	25
26	12.80	3.11	8238.00	3576.00	6596.00	14530.00	26
27	12.27	3.40	7772.00	3421.00	5245.00	14530.00	27
28	11.78	3.14	8394.00	3110.00	4231.00	14190.00	28
29	11.90	3.31	8083.00	3421.00	5245.00	14530.00	29
30	11.87	3.11	8083.00	3110.00	3386.00	13350.00	30
31	13.72	3.05	8393.00	5597.00	7779.00	25180.00	31
32	14.10	3.37	7772.00	3421.00	5751.00	14360.00	32
33	13.99	3.48	7616.00	3265.00	4569.00	12840.00	33
34	14.14	3.77	8238.00	3576.00	3555.00	16560.00	34
35	14.02	3.92	7616.00	3887.00	7103.00	14700.00	35
36	14.28	3.89	8549.00	4198.00	5583.00	16560.00	36
37	14.74	3.60	9482.00	4509.00	4907.00	17570.00	37
38	14.89	3.86	8549.00	5753.00	5920.00	23990.00	38
39	13.00	4.76	8394.00	8085.00	5583.00	38190.00	39
40	12.91	4.21	7772.00	8396.00	4231.00	38520.00	40
41	12.48	4.24	9171.00	7930.00	1021.00	34980.00	41
42	11.34	3.16	9015.00	7152.00	5752.00	24500.00	42
43	14.51	3.43	7305.00	2954.00	5751.00	13350.00	43
44	11.34	3.45	7616.00	2643.00	3386.00	11320.00	44
45	8.53	6.85	-4045.00	13990.00	-3542.00	12500.00	45
46	8.96	8.10	-2179.00	12130.00	-2697.00	9969.00	46

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TGW 24300 TCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
1	3090.00	4281.00	2714.00	3224.00	-3437.00	2955.00	1
2	1988.00	4874.00	1716.00	3761.00	-4436.00	3954.00	2
3	2242.00	5299.00	1717.00	4375.00	-4769.00	4786.00	3
4	3387.00	3306.00	2676.00	2648.00	-3271.00	3121.00	4
5	1861.00	4408.00	2791.00	3147.00	-3521.00	4203.00	5
6	3344.00	4790.00	2599.00	3339.00	-2772.00	4619.00	6
7	3599.00	4535.00	2638.00	2917.00	-5768.00	6117.00	7
8	3344.00	4112.00	2753.00	4029.00	-5393.00	5909.00	8
9	3853.00	4281.00	2791.00	3147.00	-3395.00	4578.00	9
10	631.60	3179.00	1870.00	1996.00	-357.60	2788.00	10
11	1225.00	2331.00	1218.00	1804.00	-1731.00	1997.00	11
12	1352.00	2967.00	1026.00	1919.00	-1273.00	1956.00	12
13	1861.00	6783.00	948.50	5834.00	-3771.00	8115.00	13
14	3641.00	5934.00	4249.00	5143.00	-5352.00	5618.00	14
15	4065.00	6443.00	3213.00	5719.00	-4269.00	7283.00	15
16	2878.00	6443.00	910.50	7101.00	-4602.00	6867.00	16
17	3047.00	6528.00	1141.00	6794.00	-4727.00	6825.00	17
18	2539.00	6358.00	-49.50	6832.00	-4811.00	7324.00	18
19	2412.00	6061.00	-1162.00	7177.00	-4936.00	8282.00	19
20	2072.00	6401.00	219.50	6717.00	-4977.00	7324.00	20
21	1055.00	6147.00	-394.50	6640.00	-4519.00	7200.00	21
22	4658.00	11280.00	2523.00	8252.00	-3188.00	9530.00	22
23	3090.00	4112.00	2369.00	3646.00	-3312.00	4911.00	23
24	2624.00	4323.00	2062.00	4106.00	-3146.00	4078.00	24
25	5506.00	4832.00	2599.00	4260.00	-3146.00	4162.00	25
26	3048.00	4324.00	3635.00	4836.00	-3770.00	5618.00	26
27	2836.00	5468.00	2829.00	4567.00	-2730.00	6076.00	27
28	2496.00	5299.00	1563.00	4682.00	-3229.00	6076.00	28
29	2072.00	6316.00	1678.00	5104.00	-2938.00	7199.00	29
30	2157.00	5129.00	987.40	4721.00	-2938.00	5535.00	30
31	2157.00	7588.00	2445.00	7484.00	-524.50	11780.00	31
32	3853.00	3264.00	3559.00	3684.00	-3396.00	3745.00	32
33	4107.00	3349.00	3520.00	3416.00	-3854.00	3870.00	33
34	4404.00	4917.00	3712.00	4452.00	-5060.00	3912.00	34
35	4362.00	4281.00	3252.00	4835.00	-3812.00	4827.00	35
36	4150.00	5086.00	3482.00	5143.00	-3562.00	6492.00	36
37	4234.00	4578.00	3444.00	5104.00	-3604.00	6533.00	37
38	4192.00	5638.00	2254.00	5987.00	-3105.00	9197.00	38
39	970.50	10720.00	1218.00	9327.00	-1857.00	12860.00	39
40	1267.00	11870.00	2062.00	10480.00	-2647.00	11740.00	40
41	2284.00	10430.00	-413.50	9346.00	-2023.00	11190.00	41
42	80.00	7376.00	565.00	7292.00	-4520.00	10280.00	42
43	2132.00	4154.00	1947.00	3223.00	-4353.00	4369.00	43
44	1818.00	3773.00	1064.00	3492.00	-4477.00	4578.00	44
45	122.00	4451.00	2369.00	3108.00	-648.90	3329.00	45
46	1437.00	2628.00	1870.00	3454.00	599.50	3329.00	46

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TGW 24300 TBCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
1	3090.00	4281.00	2714.00	3224.00	-3437.00	2955.00	1
2	1988.00	4874.00	1716.00	3761.00	-4436.00	3954.00	2
3	2242.00	5299.00	1717.00	4375.00	-4769.00	4786.00	3
4	3387.00	3306.00	2676.00	2648.00	-3271.00	3121.00	4
5	1861.00	4408.00	2791.00	3147.00	-3521.00	4203.00	5
6	3344.00	4790.00	2599.00	3339.00	-2772.00	4619.00	6
7	3599.00	4535.00	2638.00	2917.00	-5768.00	6117.00	7
8	3344.00	4112.00	2753.00	4029.00	-5393.00	5909.00	8
9	3853.00	4281.00	2791.00	3147.00	-3395.00	4578.00	9
10	631.60	3179.00	1870.00	1996.00	-357.60	2788.00	10
11	1225.00	2331.00	1218.00	1804.00	-1731.00	1997.00	11
12	1352.00	2967.00	1026.00	1919.00	-1273.00	1956.00	12
13	1861.00	6783.00	948.50	5834.00	-3771.00	8115.00	13
14	3641.00	5934.00	4249.00	5143.00	-5352.00	5618.00	14
15	4065.00	6443.00	3213.00	5719.00	-4269.00	7283.00	15
16	2878.00	6443.00	910.50	7101.00	-4602.00	6867.00	16
17	3047.00	6528.00	1141.00	6794.00	-4727.00	6825.00	17
18	2539.00	6358.00	-49.50	6832.00	-4811.00	7324.00	18
19	2412.00	6061.00	-1162.00	7177.00	-4936.00	8282.00	19
20	2072.00	6401.00	219.50	6717.00	-4977.00	7324.00	20
21	1055.00	6147.00	-394.50	6640.00	-4519.00	7200.00	21
22	4658.00	11280.00	2523.00	8252.00	-3188.00	9530.00	22
23	3090.00	4112.00	2369.00	3646.00	-3312.00	4911.00	23
24	2624.00	4323.00	2062.00	4106.00	-3146.00	4078.00	24
25	5506.00	4832.00	2599.00	4260.00	-3146.00	4162.00	25
26	3048.00	4324.00	3635.00	4836.00	-3770.00	5618.00	26
27	2836.00	5468.00	2829.00	4567.00	-2730.00	6076.00	27
28	2496.00	5299.00	1563.00	4682.00	-3229.00	6076.00	28
29	2072.00	6316.00	1678.00	5104.00	-2938.00	7199.00	29
30	2157.00	5129.00	987.40	4721.00	-2938.00	5535.00	30
31	2157.00	7588.00	2445.00	7484.00	-524.50	11780.00	31
32	3853.00	3264.00	3559.00	3684.00	-3396.00	3745.00	32
33	4107.00	3349.00	3520.00	3416.00	-3854.00	3870.00	33
34	4404.00	4917.00	3712.00	4452.00	-5060.00	3912.00	34
35	4362.00	4281.00	3252.00	4835.00	-3812.00	4827.00	35
36	4150.00	5086.00	3482.00	5143.00	-3562.00	6492.00	36
37	4234.00	4578.00	3444.00	5104.00	-3604.00	6533.00	37
38	4192.00	5638.00	2254.00	5987.00	-3105.00	9197.00	38
39	970.50	10720.00	1218.00	9327.00	-1857.00	12860.00	39
40	1267.00	11870.00	2062.00	10480.00	-2647.00	11740.00	40
41	2284.00	10430.00	-413.50	9346.00	-2023.00	11190.00	41
42	80.00	7376.00	565.00	7292.00	-4520.00	10280.00	42
43	3132.00	4154.00	1947.00	3223.00	-4353.00	4369.00	43
44	1818.00	3773.00	1064.00	3492.00	-4477.00	4578.00	44
45	122.00	4451.00	2369.00	3108.00	-648.90	3329.00	45
46	1437.00	2628.00	1870.00	3454.00	599.50	3329.00	46

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140

TOWW 24300 TOWR 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
1	-6115.00	3766.00	-6146.00	10200.00	38840.00	9957.00	1
2	-4053.00	4201.00	-5062.00	13640.00	40020.00	14640.00	2
3	-5960.00	4917.00	-1089.00	12550.00	37820.00	14200.00	3
4	-4178.00	3765.00	-4882.00	9483.00	37380.00	9957.00	4
5	-2661.00	5166.00	-5604.00	10750.00	35770.00	11860.00	5
6	-4707.00	5103.00	-5875.00	12280.00	36500.00	12010.00	6
7	-4707.00	5477.00	-4069.00	10480.00	36650.00	13910.00	7
8	-4769.00	6286.00	-2804.00	14450.00	38990.00	14500.00	8
9	-3968.00	4606.00	-456.50	14630.00	41190.00	14060.00	9
10	-669.50	2427.00	-3256.00	4425.00	38110.00	5711.00	10
11	-1354.00	2241.00	-2805.00	7767.00	37380.00	7321.00	11
12	-1074.00	2334.00	-2804.00	7405.00	38550.00	7028.00	12
13	-4933.00	7437.00	-3798.00	16350.00	39870.00	20640.00	13
14	-7049.00	5446.00	-4430.00	14270.00	38700.00	18300.00	14
15	-4528.00	7033.00	-1089.00	17070.00	39430.00	17860.00	15
16	-5493.00	7438.00	-2263.00	18240.00	36360.00	22990.00	16
17	-3751.00	7873.00	-1211.00	18150.00	35620.00	21670.00	17
18	-4373.00	7749.00	537.00	16530.00	37670.00	19910.00	18
19	-5680.00	7935.00	-1811.00	14900.00	35770.00	18300.00	19
20	-4528.00	7033.00	-818.00	17160.00	36500.00	20500.00	20
21	-5089.00	7469.00	-1089.00	14180.00	36790.00	18160.00	21
22	-4560.00	8993.00	-4340.00	23030.00	34160.00	27820.00	22
23	-6676.00	4575.00	-2715.00	11650.00	38260.00	13760.00	23
24	-5275.00	4544.00	-7862.00	14810.00	36500.00	16400.00	24
25	-4053.00	4886.00	-5333.00	13370.00	39580.00	13910.00	25
26	-4808.00	5882.00	-4430.00	14270.00	39720.00	14930.00	26
27	-5182.00	5135.00	-3527.00	13550.00	36940.00	14200.00	27
28	-4466.00	5726.00	-5153.00	13180.00	35920.00	14640.00	28
29	-3315.00	6442.00	-5062.00	12910.00	37090.00	14060.00	29
30	-4342.00	5352.00	-3888.00	12460.00	36940.00	13030.00	30
31	-4062.00	12350.00	-2895.00	15980.00	39720.00	17280.00	31
32	-3968.00	4357.00	-3347.00	10840.00	38700.00	14200.00	32
33	-4404.00	4046.00	-3346.00	9753.00	38110.00	10100.00	33
34	-4115.00	4388.00	-3437.00	8760.00	37530.00	10100.00	34
35	-4933.00	4761.00	-4159.00	8940.00	38110.00	9810.00	35
36	-5151.00	5726.00	-3617.00	10930.00	40450.00	11860.00	36
37	-3875.00	7313.00	-2172.00	11830.00	39720.00	12590.00	37
38	-4715.00	9211.00	-3527.00	12460.00	41190.00	18160.00	38
39	-5400.00	12320.00	-2805.00	20050.00	36790.00	24600.00	39
40	-4373.00	13410.00	-7139.00	20590.00	41190.00	25180.00	40
41	-6583.00	12390.00	-6326.00	15980.00	36500.00	21080.00	41
42	-4129.00	11540.00	-1540.00	13190.00	39430.00	16110.00	42
43	-4396.00	3983.00	-4340.00	11470.00	34890.00	12450.00	43
44	-5680.00	4077.00	-4611.00	9212.00	37230.00	9810.00	44
45	-1261.00	3019.00	-4069.00	9934.00	37530.00	9810.00	45
46	-1977.00	3672.00	-2624.00	9573.00	40450.00	10400.00	46

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TEGW 24300 TBCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
1	29130.00	13110.00	-197.40	1190.00	-1281.00	881.10	1
2	22950.00	16930.00	-288.90	1526.00	-1375.00	954.50	2
3	28470.00	18420.00	46.75	1434.00	-1375.00	912.60	3
4	22120.00	12450.00	-136.30	945.90	-1428.00	776.30	4
5	31290.00	13610.00	46.75	1312.00	-997.60	933.60	5
6	22940.00	14940.00	-75.31	1068.00	-1228.00	849.70	6
7	30460.00	16430.00	-563.50	1556.00	-1700.00	1133.00	7
8	21780.00	16760.00	-288.90	1404.00	-1470.00	1175.00	8
9	33610.00	14610.00	229.80	1251.00	-1438.00	1017.00	9
10	24940.00	7303.00	504.50	549.30	-483.60	503.50	10
11	21780.00	7801.00	16.25	610.30	-819.30	398.60	11
12	22780.00	6473.00	351.90	640.80	-672.50	461.50	12
13	22120.00	21080.00	-807.70	2044.00	-1596.00	1427.00	13
14	21450.00	21080.00	-14.28	1373.00	-1186.00	1206.00	14
15	22280.00	16600.00	-288.90	1648.00	-1470.00	1196.00	15
16	28470.00	25060.00	-655.10	2075.00	-1239.00	1427.00	16
17	29300.00	23570.00	-563.50	1800.00	-1333.00	1311.00	17
18	28800.00	21740.00	-716.10	2136.00	-1637.00	1469.00	18
19	29960.00	19920.00	-685.60	2106.00	-1281.00	1427.00	19
20	29630.00	21910.00	-807.60	2106.00	-1648.00	1458.00	20
21	20290.00	22900.00	-1052.00	2167.00	-1606.00	1395.00	21
22	27640.00	27550.00	-899.20	2441.00	-1596.00	1531.00	22
23	22120.00	15100.00	-75.28	1007.00	-1333.00	807.70	23
24	29960.00	17590.00	-380.40	1129.00	-1428.00	839.20	24
25	20620.00	15930.00	-136.30	1068.00	-1354.00	786.70	25
26	21780.00	14770.00	-75.31	1068.00	-1270.00	1122.00	26
27	21780.00	13440.00	-594.10	1587.00	-1291.00	1206.00	27
28	20460.00	14110.00	-441.50	1800.00	-1207.00	1395.00	28
29	29960.00	14270.00	-716.10	2014.00	-1354.00	1437.00	29
30	20290.00	12610.00	-807.60	1739.00	-1407.00	1322.00	30
31	24110.00	21410.00	-563.50	1922.00	-1386.00	1636.00	31
32	23610.00	13280.00	-44.78	1343.00	-1543.00	1038.00	32
33	23280.00	11620.00	-136.30	1312.00	-1669.00	1018.00	33
34	22610.00	13610.00	-410.90	1221.00	-1763.00	1070.00	34
35	23940.00	12950.00	-349.90	1404.00	-1554.00	986.00	35
36	26430.00	14770.00	-319.40	1373.00	-1428.00	1091.00	36
37	26430.00	17100.00	-288.90	1526.00	-1679.00	1154.00	37
38	27100.00	22410.00	-441.50	2411.00	-1637.00	1448.00	38
39	29960.00	29540.00	16.25	2197.00	-1648.00	1857.00	39
40	27640.00	29540.00	-44.75	2258.00	-1344.00	1804.00	40
41	29130.00	26060.00	-411.00	2197.00	-1124.00	1689.00	41
42	22120.00	15770.00	-563.50	1556.00	-1270.00	1143.00	42
43	27970.00	13610.00	168.80	1190.00	-1281.00	692.30	43
44	21120.00	11120.00	16.25	1099.00	-1281.00	587.40	44
45	24440.00	9792.00	565.50	732.30	-462.70	629.30	45
46	25930.00	9626.00	229.90	1068.00	-599.00	807.70	46

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140

TSGW 24300 TSCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
1	-416.70	432.70	977.00	416.40	941.60	194.80	1
2	-461.70	531.80	1029.00	438.80	1032.00	254.70	2
3	-596.80	667.00	924.90	438.80	994.10	292.10	3
4	-371.60	477.70	939.80	304.90	964.10	202.20	4
5	-254.40	667.00	1089.00	349.50	866.70	284.60	5
6	-353.50	531.80	1036.00	416.50	934.10	292.10	6
7	-615.00	612.90	962.10	357.00	1091.00	374.50	7
8	-506.80	558.80	805.90	364.40	1061.00	374.50	8
9	-326.50	576.80	872.90	371.80	904.20	292.10	9
10	97.13	297.40	1126.00	238.00	776.80	179.80	10
11	34.00	252.40	1074.00	171.00	859.20	127.30	11
12	-20.06	252.40	1096.00	193.30	836.80	134.80	12
13	-786.20	946.40	999.30	453.60	986.60	509.30	13
14	-624.00	730.10	932.40	386.70	1061.00	344.50	14
15	-398.60	685.00	924.90	498.30	1024.00	486.90	15
16	-299.50	802.20	999.30	453.60	941.60	434.40	16
17	-362.60	757.10	805.90	453.60	1039.00	426.90	17
18	-290.50	883.30	1036.00	446.20	1046.00	449.40	18
19	-317.50	802.20	1096.00	446.20	1069.00	516.80	19
20	-380.60	847.20	969.60	423.90	1046.00	434.40	20
21	-236.40	739.10	1029.00	468.50	1032.00	449.40	21
22	-416.70	937.40	642.30	766.00	941.60	614.20	22
23	-452.70	594.90	924.90	349.50	941.60	314.60	23
24	-506.80	540.80	991.80	371.80	926.60	284.60	24
25	-524.80	558.80	932.40	401.60	941.60	269.60	25
26	-569.90	694.00	969.50	364.40	1002.00	344.50	26
27	-380.60	667.00	984.40	334.70	926.60	389.50	27
28	-335.50	676.00	947.20	357.00	949.10	367.00	28
29	-461.70	748.10	1022.00	416.50	964.10	471.90	29
30	-416.70	739.10	954.70	349.50	934.20	352.00	30
31	-398.60	775.10	917.50	654.40	739.40	741.50	31
32	-434.70	540.80	932.30	327.20	964.10	247.20	32
33	-515.80	585.90	954.70	319.80	1009.00	247.20	33
34	-605.90	694.00	969.60	409.00	1009.00	262.20	34
35	-623.90	676.00	991.80	371.80	979.10	337.10	35
36	-596.90	685.00	924.90	468.50	979.10	411.90	36
37	-596.90	703.00	984.40	438.80	971.60	434.40	37
38	-1291.00	1559.00	977.00	565.20	919.10	561.80	38
39	-173.30	1019.00	1059.00	944.50	889.20	801.40	39
40	25.03	1037.00	1044.00	1049.00	941.60	719.10	40
41	-164.30	937.40	1074.00	914.70	1009.00	696.60	41
42	-2.03	703.00	1066.00	565.20	971.60	659.10	42
43	-380.60	504.70	924.90	319.80	994.00	262.20	43
44	-353.60	423.60	1029.00	304.90	1032.00	269.60	44
45	88.09	342.50	1185.00	312.30	821.80	224.70	45
46	61.06	297.40	1111.00	208.20	784.30	217.20	46

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 140
TGW 24300 TCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41860SDY	41860ALT	EVENT
1	-4771.00	5583.00	1
2	-2824.00	7271.00	2
3	-6330.00	6882.00	3
4	-11650.00	6232.00	4
5	422.00	10260.00	5
6	2240.00	13890.00	6
7	-15290.00	11950.00	7
8	-4642.00	12200.00	8
9	-2824.00	7790.00	9
10	30410.00	3376.00	10
11	22110.00	4674.00	11
12	23140.00	3895.00	12
13	12500.00	10650.00	13
14	-10740.00	8180.00	14
15	6654.00	11040.00	15
16	10810.00	9738.00	16
17	8862.00	8310.00	17
18	11850.00	8180.00	18
19	15090.00	7791.00	19
20	14570.00	8050.00	20
21	13670.00	8180.00	21
22	-227.00	9608.00	22
23	-7109.00	7661.00	23
24	-7498.00	8050.00	24
25	-7628.00	8440.00	25
26	4577.00	11300.00	26
27	6914.00	11560.00	27
28	13930.00	10520.00	28
29	13020.00	11430.00	29
30	14190.00	10260.00	30
31	8212.00	13370.00	31
32	-7758.00	5973.00	32
33	-7239.00	5194.00	33
34	-11390.00	5193.00	34
35	-14380.00	5583.00	35
36	-11000.00	6882.00	36
37	-11000.00	7661.00	37
38	-15940.00	8699.00	38
39	11720.00	16620.00	39
40	7823.00	16830.00	40
41	6395.00	14670.00	41
42	26910.00	9738.00	42
43	-4382.00	7531.00	43
44	3409.00	5713.00	44
45	27170.00	4804.00	45
46	25480.00	4674.00	46

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TBGW 24300 TBCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	4.39	6.82	11.37	-2.43	12.95	.89	2
3	4.01	8.60	12.61	-4.58	9.60	1.36	3
4	4.88	7.65	12.53	-2.76	12.83	.93	4
5	4.47	7.56	12.03	-3.09	12.62	.81	5
6	4.51	7.27	11.78	-2.76	12.70	.81	6
7	4.55	6.90	11.45	-2.35	12.36	.81	7
8	4.39	7.89	12.28	-3.51	12.06	.85	8
9	4.34	4.13	8.48	.13	12.40	.76	9
10	4.34	4.30	8.64	.05	11.85	.81	10
11	4.39	5.58	10.05	-1.19	10.92	.98	11
12	4.34	4.96	9.39	-.78	10.03	.76	12
13	4.18	5.21	9.47	-1.03	10.54	.85	13
14	4.10	4.55	8.64	-.45	8.55	.72	14
15	4.01	3.39	7.40	.63	7.19	.55	15
16	3.89	3.26	7.15	.46	5.88	.59	16
17	4.80	5.00	9.80	-.45	10.50	.89	17
18	4.18	4.22	8.39	-.04	10.45	.76	18
19	4.39	4.75	9.14	-.37	10.88	.76	19
20	4.47	5.25	9.72	-.78	10.92	.81	20
21	4.55	5.66	10.21	-1.11	11.09	.89	21
22	4.51	6.12	10.63	-1.61	10.92	.98	22
23	4.34	4.05	8.39	.29	10.37	.76	23
24	4.34	4.30	8.64	.05	10.79	.85	24
25	4.43	4.55	9.06	-.12	10.16	.98	25
26	4.59	5.37	9.96	-.95	10.62	.93	26
27	4.55	5.50	10.13	-1.11	9.44	.93	27
28	4.43	5.29	9.72	-.86	9.94	1.27	28
29	4.06	5.08	9.14	-1.03	10.11	.76	29
30	4.68	7.52	12.20	-2.85	9.99	1.23	30
31	4.47	4.17	8.64	.29	10.62	.68	31
32	4.14	5.00	9.14	-.86	10.54	.76	32
33	4.34	5.29	9.63	-.95	8.84	.93	33
34	4.14	4.50	8.72	-.37	11.17	.72	34
35	4.88	5.41	10.46	-.95	11.39	1.10	35
36	4.39	5.41	10.05	-1.03	11.05	1.02	36
37	4.39	4.50	8.89	-.12	11.17	.98	37
38	4.96	5.16	10.13	-.20	10.84	1.31	38
39	3.39	3.18	6.58	.13	5.11	.42	39
40	3.77	4.30	8.23	-.61	5.11	.59	40
41	4.18	3.97	8.15	-.20	4.81	.64	41
42	2.98	4.09	7.73	-1.11	4.98	.64	42
43	3.64	4.09	8.56	-.45	4.01	.85	43
44	3.77	4.88	9.22	-1.11	8.50	.68	44
45	3.31	3.93	7.32	-.61	5.37	.42	45
46	3.39	3.93	7.57	-.53	5.28	.51	46
47	3.64	6.40	10.05	-2.76	6.34	.64	47
48	3.64	5.41	9.06	-1.77	4.81	.72	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TSGW 24300 TBCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
49	4.18	3.22	8.39	.71	5.24	.81	49
50	4.39	7.81	12.20	-3.42	10.50	.81	50
51	4.22	7.89	12.11	-3.67	11.85	.89	51
52	4.43	8.43	12.86	-4.17	11.51	1.15	52
53	4.39	7.07	11.45	-2.68	11.13	.93	53
54	4.26	6.69	10.96	-2.52	12.23	1.02	54
55	4.51	7.69	12.28	-3.18	12.19	1.15	55
56	4.10	7.52	11.62	-3.59	13.29	1.23	56
57	4.76	5.62	10.71	-1.03	14.10	1.10	57

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TGW 24300 TCR 4.4 FWD FLIGHT DATE 08/31/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
2	13.78	3.16	6683.00	3576.00	3893.00	17230.00	2
3	9.52	4.12	6683.00	6996.00	1865.00	28720.00	3
4	14.13	3.34	7772.00	2488.00	9975.00	9800.00	4
5	14.13	3.10	8549.00	2332.00	8962.00	9124.00	5
6	14.16	3.07	9482.00	2333.00	8624.00	9124.00	6
7	14.01	2.87	10260.00	2177.00	6934.00	8786.00	7
8	14.04	3.31	10730.00	2022.00	7779.00	8955.00	8
9	14.45	2.90	12280.00	3887.00	6090.00	15380.00	9
10	14.45	2.90	12750.00	4043.00	5076.00	15380.00	10
11	14.19	3.63	13210.00	4509.00	5751.00	17400.00	11
12	13.38	3.45	13370.00	4043.00	4907.00	16900.00	12
13	13.00	3.72	14300.00	4043.00	4907.00	16900.00	13
14	11.72	4.18	14150.00	3265.00	4400.00	12000.00	14
15	10.18	3.34	15390.00	2954.00	6427.00	9631.00	15
16	8.96	3.51	15230.00	3110.00	6934.00	9462.00	16
17	10.76	3.63	13990.00	4354.00	3555.00	17570.00	17
18	13.11	2.90	14150.00	4198.00	4062.00	16730.00	18
19	13.93	2.96	14300.00	4043.00	3217.00	17910.00	19
20	14.16	3.37	14770.00	3265.00	7103.00	14700.00	20
21	14.42	3.57	14770.00	2643.00	7779.00	10640.00	21
22	14.22	4.01	15080.00	2954.00	10140.00	13690.00	22
23	13.26	2.70	13840.00	4509.00	4062.00	20110.00	23
24	13.61	2.64	14300.00	4043.00	3048.00	18420.00	24
25	13.43	2.64	13840.00	4509.00	1697.00	21120.00	25
26	14.10	3.43	13520.00	4820.00	3893.00	21970.00	26
27	13.52	4.06	13370.00	4976.00	2879.00	22640.00	27
28	12.27	4.38	14300.00	4043.00	3217.00	18920.00	28
29	13.84	3.57	13990.00	4354.00	2034.00	17740.00	29
30	13.23	7.14	13060.00	5287.00	-2022.00	25180.00	30
31	13.81	2.73	14300.00	3732.00	4062.00	16050.00	31
32	13.78	3.63	14460.00	3887.00	3724.00	15380.00	32
33	12.59	4.06	14150.00	4198.00	7272.00	20610.00	33
34	13.41	3.19	14300.00	4043.00	1527.00	17910.00	34
35	12.91	3.45	13370.00	4976.00	3893.00	26700.00	35
36	13.98	3.71	13480.00	4665.00	4569.00	23320.00	36
37	13.52	2.73	14150.00	4198.00	5244.00	22640.00	37
38	13.32	3.57	13520.00	4820.00	1189.00	22300.00	38
39	6.15	2.90	16170.00	2177.00	4568.00	9124.00	39
40	7.57	4.38	15550.00	2799.00	5076.00	12000.00	40
41	7.72	4.35	15550.00	2799.00	6596.00	12500.00	41
42	8.09	4.21	15550.00	2799.00	9131.00	12330.00	42
43	8.30	3.66	15390.00	2954.00	5752.00	16050.00	43
44	7.98	4.91	14920.00	3421.00	7610.00	17570.00	44
45	7.37	4.41	16170.00	2177.00	5413.00	8955.00	45
46	8.35	4.41	15080.00	3265.00	5752.00	11320.00	46
47	8.85	6.59	14610.00	3732.00	3048.00	12000.00	47
48	8.44	5.66	14770.00	3265.00	4062.00	10640.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TSGW 24300 TSCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
49	8.12	3.72	15080.00	3265.00	9976.00	11490.00	49
50	12.71	2.61	14150.00	1710.00	5752.00	6928.00	50
51	13.81	2.03	14610.00	1866.00	7272.00	6421.00	51
52	13.69	2.79	14460.00	2954.00	7610.00	12500.00	52
53	13.17	2.21	13060.00	2177.00	6934.00	8448.00	53
54	14.39	2.55	12440.00	2488.00	8624.00	9462.00	54
55	14.36	2.81	12280.00	2643.00	9469.00	10980.00	55
56	15.70	2.81	11500.00	2488.00	8624.00	9462.00	56
57	10.18	4.09	12280.00	6064.00	11670.00	33120.00	57

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TSGW 24300 TSCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	3175.00	5553.00	1678.00	4567.00	-4269.00	5535.00	2
3	631.00	9199.00	-279.50	9058.00	-2814.00	9322.00	3
4	4404.00	3391.00	3175.00	3838.00	-5352.00	3537.00	4
5	5337.00	2967.00	3060.00	3876.00	-4977.00	3329.00	5
6	4022.00	3349.00	2753.00	3799.00	-5393.00	2997.00	6
7	3599.00	3518.00	2753.00	3339.00	-5351.00	3288.00	7
8	4235.00	2967.00	2753.00	3876.00	-4769.00	3870.00	8
9	4828.00	4578.00	2522.00	5181.00	-6642.00	6908.00	9
10	3980.00	5087.00	2446.00	5181.00	-6434.00	7449.00	10
11	3514.00	6485.00	2599.00	5719.00	-3979.00	9488.00	11
12	3302.00	5765.00	2369.00	5565.00	-3396.00	8739.00	12
13	2539.00	6019.00	2062.00	5565.00	-4311.00	9155.00	13
14	3005.00	4451.00	2215.00	4874.00	-3812.00	5576.00	14
15	3047.00	4239.00	1832.00	5104.00	-4561.00	3745.00	15
16	2369.00	4324.00	1294.00	5028.00	-4602.00	3288.00	16
17	2836.00	6231.00	1793.00	5834.00	-4853.00	9031.00	17
18	2412.00	5892.00	2177.00	5757.00	-5060.00	8573.00	18
19	3344.00	5977.00	2714.00	5757.00	-4644.00	8406.00	19
20	3726.00	5510.00	3252.00	5450.00	-4145.00	6575.00	20
21	3556.00	5002.00	3559.00	4989.00	-4145.00	5660.00	21
22	3260.00	5383.00	3021.00	5143.00	-4103.00	6034.00	22
23	1945.00	6189.00	1947.00	6141.00	-5560.00	8739.00	23
24	1437.00	6274.00	1947.00	6064.00	-5934.00	8448.00	24
25	1055.00	6825.00	1486.00	6141.00	-5809.00	8573.00	25
26	3344.00	6910.00	2561.00	6601.00	-4520.00	9863.00	26
27	3132.00	7037.00	2599.00	6409.00	-4936.00	10030.00	27
28	2623.00	6528.00	1985.00	7100.00	-6600.00	10200.00	28
29	3005.00	5977.00	2446.00	5795.00	-4519.00	8032.00	29
30	419.00	7969.00	2062.00	6640.00	-3563.00	9738.00	30
31	3175.00	5298.00	2714.00	5220.00	-4727.00	7075.00	31
32	3302.00	5595.00	2945.00	5219.00	-3854.00	7865.00	32
33	2369.00	6698.00	2024.00	6602.00	-3812.00	8739.00	33
34	2793.00	6189.00	2599.00	5412.00	-4686.00	8364.00	34
35	3302.00	8139.00	2254.00	7369.00	-6018.00	12030.00	35
36	3048.00	7121.00	2024.00	6909.00	-5893.00	10320.00	36
37	2581.00	6486.00	1563.00	6985.00	-6142.00	9655.00	37
38	1734.00	6995.00	1602.00	7024.00	-6725.00	8240.00	38
39	2242.00	3773.00	949.10	4145.00	-4769.00	3204.00	39
40	1013.00	4493.00	258.00	5450.00	-6100.00	4786.00	40
41	3048.00	4832.00	1218.00	5489.00	-6808.00	5327.00	41
42	3175.00	5044.00	1947.00	5373.00	-7474.00	4827.00	42
43	1903.00	5977.00	1179.00	5603.00	-8348.00	6533.00	43
44	2963.00	5680.00	2100.00	6294.00	-3978.00	7574.00	44
45	2284.00	4324.00	1103.00	4912.00	-4103.00	2539.00	45
46	2624.00	4747.00	872.00	5527.00	-4852.00	3621.00	46
47	1352.00	4832.00	603.50	5412.00	-5060.00	3912.00	47
48	3302.00	5510.00	1371.00	5872.00	-6433.00	4037.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
T8GW 24300 T8CG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
49	3344.00	5214.00	1409.00	5987.00	-7016.00	4120.00	49
50	3641.00	3221.00	3022.00	3991.00	-3604.00	3953.00	50
51	3810.00	3900.00	3290.00	4721.00	-4353.00	3371.00	51
52	3514.00	5298.00	2561.00	6140.00	-6184.00	5285.00	52
53	3641.00	4154.00	2676.00	5488.00	-4727.00	3330.00	53
54	3853.00	4790.00	2484.00	6141.00	-4935.00	3954.00	54
55	4319.00	5002.00	2484.00	6294.00	-5684.00	4370.00	55
56	3386.00	5426.00	2446.00	6332.00	-4852.00	4536.00	56
57	3005.00	9792.00	1486.00	9134.00	-1066.00	9405.00	57

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TCGW 24300 TCCR 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-5866.00	4575.00	-2895.00	12550.00	37380.00	14640.00	2
3	-2631.00	11610.00	-7681.00	20590.00	36790.00	21960.00	3
4	-5088.00	4108.00	-3978.00	13280.00	37230.00	14790.00	4
5	-4964.00	3921.00	-3978.00	11830.00	38260.00	13470.00	5
6	-5058.00	4015.00	-3979.00	12010.00	39430.00	13470.00	6
7	-5369.00	3454.00	-3076.00	12190.00	41480.00	13760.00	7
8	-4871.00	3828.00	-3798.00	11830.00	42060.00	13180.00	8
9	-4622.00	8184.00	-2805.00	12460.00	43820.00	14930.00	9
10	-4995.00	7749.00	-2714.00	13090.00	44850.00	15080.00	10
11	-4840.00	7842.00	-1721.00	15710.00	44700.00	16690.00	11
12	-3969.00	7656.00	-2443.00	14450.00	44550.00	15670.00	12
13	-4404.00	7842.00	-2714.00	14360.00	45580.00	15520.00	13
14	-3626.00	4948.00	-2534.00	12370.00	44850.00	14500.00	14
15	-4155.00	3734.00	-1270.00	12550.00	44990.00	14930.00	15
16	-4031.00	3423.00	-4069.00	12460.00	43820.00	15810.00	16
17	-5306.00	7189.00	-1992.00	15080.00	42060.00	17570.00	17
18	-5244.00	7624.00	-2714.00	12190.00	43970.00	15080.00	18
19	-5120.00	6566.00	-908.00	12910.00	46020.00	14500.00	19
20	-4404.00	6224.00	-2443.00	14450.00	44410.00	16690.00	20
21	-4995.00	5135.00	-3888.00	15530.00	43970.00	18590.00	21
22	-4902.00	5539.00	-4340.00	15980.00	43970.00	19180.00	22
23	-4115.00	8247.00	-456.50	13370.00	45870.00	14930.00	23
24	-5929.00	7748.00	-2173.00	13460.00	45430.00	14790.00	24
25	-5835.00	7967.00	-2895.00	15080.00	43680.00	17720.00	25
26	-4933.00	8931.00	-817.50	14990.00	45870.00	16690.00	26
27	-4218.00	8589.00	-908.00	15080.00	45580.00	16690.00	27
28	-6645.00	8651.00	266.00	14990.00	47040.00	16690.00	28
29	-4871.00	6690.00	-366.00	14540.00	45580.00	15230.00	29
30	-1946.00	9927.00	-185.50	19420.00	46450.00	20200.00	30
31	-4560.00	5882.00	-95.00	12460.00	46900.00	14790.00	31
32	-4871.00	6317.00	-727.50	13820.00	44260.00	14790.00	32
33	-4187.00	8371.00	-1089.00	14180.00	46310.00	16550.00	33
34	-4809.00	6628.00	-1450.00	15440.00	46900.00	15960.00	34
35	-5960.00	9958.00	-3075.00	16890.00	45430.00	18590.00	35
36	-5400.00	9211.00	-2443.00	15350.00	45290.00	17280.00	36
37	-5493.00	9056.00	-2353.00	14000.00	46900.00	16540.00	37
38	-5057.00	7811.00	-1360.00	18600.00	45580.00	17570.00	38
39	-4186.00	3703.00	-5.00	9663.00	49390.00	12880.00	39
40	-4591.00	4979.00	-1450.00	10570.00	49390.00	12590.00	40
41	-5182.00	5384.00	-1540.00	13370.00	49970.00	17860.00	41
42	-5493.00	5322.00	-1179.00	13550.00	47770.00	17130.00	42
43	-8045.00	6317.00	-1631.00	14540.00	48650.00	20050.00	43
44	-4809.00	7686.00	-637.00	13190.00	44260.00	15670.00	44
45	-3190.00	3081.00	-1541.00	9031.00	48650.00	10690.00	45
46	-3999.00	4139.00	-4159.00	13460.00	43380.00	17420.00	46
47	-3066.00	5010.00	-3979.00	14900.00	41040.00	18590.00	47
48	-3875.00	4326.00	-3346.00	14450.00	44700.00	17280.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TGW 24300 TCR 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
49	-5182.00	4637.00	-1360.00	14630.00	42800.00	19770.00	49
50	-4964.00	3423.00	-2444.00	11920.00	41630.00	13320.00	50
51	-4093.00	3734.00	-3618.00	13460.00	41040.00	14790.00	51
52	-4560.00	6130.00	-4430.00	16070.00	41330.00	18890.00	52
53	-4217.00	3984.00	-3617.00	14540.00	38550.00	16400.00	53
54	-4902.00	4730.00	-4249.00	15710.00	37820.00	18010.00	54
55	-5586.00	4668.00	-3979.00	17610.00	36060.00	20640.00	55
56	-5244.00	5259.00	-4791.00	17520.00	36500.00	20500.00	56
57	-3471.00	8900.00	175.50	15260.00	44990.00	18450.00	57

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TUGW 24300 TCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	30960.00	15930.00	-380.40	1129.00	-1333.00	975.50	2
3	25640.00	27880.00	-105.80	2380.00	-1470.00	1804.00	3
4	30290.00	16600.00	-441.50	1251.00	-1585.00	1122.00	4
5	31620.00	15600.00	-349.90	1221.00	-1617.00	1133.00	5
6	33280.00	14940.00	-227.90	1099.00	-1470.00	944.10	6
7	35930.00	14610.00	-105.80	976.40	-1260.00	881.10	7
8	35600.00	14940.00	-197.40	1190.00	-1543.00	1206.00	8
9	37260.00	15930.00	-197.30	1495.00	-1501.00	1332.00	9
10	37930.00	15930.00	-197.30	1495.00	-1533.00	1406.00	10
11	39750.00	17100.00	-288.90	1953.00	-1512.00	1657.00	11
12	38920.00	15930.00	-75.31	1861.00	-1218.00	1678.00	12
13	38920.00	16270.00	-349.90	1709.00	-1333.00	1563.00	13
14	36270.00	14610.00	-502.50	1739.00	-1323.00	1427.00	14
15	36600.00	14610.00	-594.00	1648.00	-1396.00	1248.00	15
16	38260.00	17920.00	-746.60	1800.00	-1281.00	1385.00	16
17	35270.00	19250.00	-685.60	2044.00	-1700.00	1531.00	17
18	37260.00	15600.00	-136.30	1739.00	-1291.00	1395.00	18
19	37760.00	16100.00	-380.40	1861.00	-1564.00	1584.00	19
20	38920.00	15930.00	-441.50	1922.00	-1575.00	1699.00	20
21	37430.00	16430.00	-624.60	1861.00	-1711.00	1794.00	21
22	38090.00	17100.00	-472.00	1953.00	-1753.00	1836.00	22
23	37590.00	15270.00	-411.00	1648.00	-1375.00	1437.00	23
24	38590.00	14940.00	-288.90	1587.00	-1333.00	1269.00	24
25	39590.00	17590.00	77.25	1465.00	-1344.00	1385.00	25
26	39420.00	17430.00	-258.40	2106.00	-1543.00	1689.00	26
27	39090.00	18420.00	-411.00	2197.00	-1554.00	1804.00	27
28	39420.00	18420.00	-75.31	2106.00	-1491.00	1699.00	28
29	37430.00	15770.00	-655.10	2075.00	-1512.00	1594.00	29
30	37430.00	20080.00	229.90	2655.00	-1312.00	2423.00	30
31	38760.00	16100.00	-410.90	1709.00	-1354.00	1437.00	31
32	38590.00	15600.00	-441.40	1861.00	-1470.00	1594.00	32
33	38590.00	17920.00	-472.00	2197.00	-1449.00	1741.00	33
34	39590.00	16600.00	-380.40	1983.00	-1480.00	1584.00	34
35	38420.00	20080.00	-258.40	2167.00	-1879.00	1941.00	35
36	36430.00	16760.00	-44.78	1953.00	-1417.00	1794.00	36
37	38260.00	15930.00	-380.40	1861.00	-1375.00	1563.00	37
38	36100.00	19420.00	-349.90	2380.00	-1984.00	2066.00	38
39	41580.00	12280.00	-594.10	1465.00	-1092.00	1070.00	39
40	41080.00	12120.00	-288.90	2014.00	-945.20	1196.00	40
41	40580.00	17930.00	-868.70	1983.00	-1491.00	1427.00	41
42	39750.00	18090.00	-1204.00	2197.00	-1879.00	1710.00	42
43	38920.00	21910.00	-1296.00	1922.00	-1700.00	1510.00	43
44	38260.00	16930.00	-533.00	2014.00	-1386.00	1636.00	44
45	41080.00	10120.00	-655.10	1770.00	-1176.00	1301.00	45
46	36930.00	17920.00	-807.70	2044.00	-1491.00	1511.00	46
47	34940.00	18920.00	-1082.00	2014.00	-1637.00	1406.00	47
48	33280.00	16600.00	-1265.00	2319.00	-1763.00	1804.00	48

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AIRCRAFT SLP1 FLIGHT 141
TCGW 24300 TCCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
49	34270.00	20910.00	-1357.00	2228.00	-1732.00	1605.00	49
50	35600.00	15600.00	-502.50	1556.00	-1533.00	1469.00	50
51	33440.00	14770.00	-655.10	1953.00	-1763.00	1657.00	51
52	32780.00	17430.00	-960.20	2136.00	-1847.00	2077.00	52
53	31120.00	16430.00	-1082.00	2136.00	-1910.00	1783.00	53
54	31620.00	20580.00	-1113.00	2716.00	-2047.00	2066.00	54
55	29460.00	21080.00	-960.20	2624.00	-2351.00	2224.00	55
56	31620.00	23900.00	-1052.00	3082.00	-2162.00	2287.00	56
57	39590.00	19250.00	16.25	2258.00	-1165.00	1878.00	57

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141
TSGW 24300 TSCG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-209.30	730.10	984.40	453.60	1032.00	344.60	2
3	-146.30	991.40	939.80	780.80	986.60	584.30	3
4	-470.80	721.10	843.10	193.40	1061.00	224.70	4
5	-452.70	703.00	887.70	163.60	1032.00	224.70	5
6	-407.70	748.10	910.10	185.90	1047.00	194.80	6
7	-335.50	748.10	954.70	215.70	1054.00	202.20	7
8	-470.80	721.10	917.50	223.10	1024.00	247.20	8
9	-434.70	973.40	962.10	371.80	1144.00	441.90	9
10	-506.80	901.30	991.80	401.60	1114.00	471.90	10
11	-759.20	1118.00	977.00	431.30	971.60	584.20	11
12	-876.30	1289.00	991.80	401.60	979.10	546.80	12
13	-687.10	1100.00	1051.00	431.30	971.60	554.30	13
14	-425.70	856.30	1014.00	290.00	926.70	344.50	14
15	-398.60	757.10	962.10	252.80	1017.00	224.70	15
16	-434.70	757.10	977.00	252.80	1017.00	194.80	16
17	-596.90	1226.00	1029.00	438.80	1017.00	584.20	17
18	-515.80	1000.00	999.30	438.80	1039.00	546.80	18
19	-569.90	982.40	977.00	446.20	1039.00	531.80	19
20	-569.90	982.40	917.50	342.10	949.10	426.90	20
21	-560.90	1028.00	895.20	275.20	956.60	374.50	21
22	-624.00	1091.00	872.90	342.10	964.10	412.00	22
23	-560.90	1010.00	999.30	528.00	1061.00	569.30	23
24	-560.80	991.50	1044.00	513.10	1076.00	524.30	24
25	-633.00	1154.00	1081.00	580.10	1061.00	524.30	25
26	-975.50	1388.00	939.80	542.90	1017.00	629.20	26
27	-858.30	1361.00	977.00	565.20	994.00	636.70	27
28	-551.80	1127.00	932.40	490.80	1129.00	651.60	28
29	-542.80	991.50	984.40	438.80	1009.00	501.80	29
30	-389.60	1199.00	1096.00	624.70	934.10	651.60	30
31	-569.90	1001.00	962.10	401.60	994.00	456.90	31
32	-596.90	955.40	991.80	371.80	956.60	494.30	32
33	-434.70	1226.00	917.50	550.30	1002.00	554.30	33
34	-461.70	946.40	1103.00	453.70	1017.00	524.30	34
35	-1039.00	1631.00	902.60	699.10	1054.00	741.50	35
36	-696.10	1379.00	984.40	617.30	1114.00	651.60	36
37	-551.80	1163.00	1007.00	580.10	1114.00	606.70	37
38	-948.40	1920.00	1089.00	602.30	1144.00	531.80	38
39	-263.40	603.90	1111.00	252.80	1084.00	187.30	39
40	-74.16	775.20	1126.00	282.60	1136.00	314.60	40
41	-317.50	946.40	1133.00	319.80	1234.00	322.10	41
42	-443.70	982.40	1185.00	297.50	1309.00	307.10	42
43	-380.60	991.50	1170.00	431.30	1361.00	404.40	43
44	-488.80	955.40	939.80	423.90	979.10	486.90	44
45	-182.30	811.20	1118.00	260.30	1069.00	157.30	45
46	-281.40	928.40	1163.00	290.00	1046.00	224.70	46
47	-380.60	847.20	1074.00	304.90	1046.00	254.70	47
48	-461.70	982.50	1007.00	297.50	1181.00	254.70	48

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AIRCRAFT SLP1 FLIGHT 141
T0GW 24300 T0CG 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
49	-515.80	928.40	962.10	282.60	1196.00	254.70	49
50	-434.70	775.10	924.90	171.10	934.10	262.10	50
51	-515.80	892.30	887.70	163.60	979.10	232.20	51
52	-488.80	1100.00	872.90	356.90	1084.00	337.10	52
53	-506.80	973.40	843.10	193.40	1024.00	232.20	53
54	-623.90	1181.00	813.40	297.50	994.00	262.20	54
55	-669.00	1226.00	806.00	319.80	1084.00	292.10	55
56	-533.80	1325.00	858.00	267.80	1024.00	322.10	56
57	-651.00	883.30	701.80	825.50	836.80	569.30	57

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141

TBGM 24300 TBGM 4.4 FWD FLIGHT DATE 08/31/77

EVENT	41860SDY	41860ALT	EVENT
2	-3603.00	8829.00	2
3	4058.00	13890.00	3
4	-1785.00	8829.00	4
5	-746.50	8310.00	5
6	-1007.00	8310.00	6
7	1331.00	8050.00	7
8	4187.00	8569.00	8
9	1331.00	9608.00	9
10	5875.00	9478.00	10
11	11720.00	10130.00	11
12	18730.00	9608.00	12
13	14310.00	9868.00	13
14	30030.00	8699.00	14
15	27430.00	6752.00	15
16	46380.00	6102.00	16
17	7434.00	9998.00	17
18	17560.00	8699.00	18
19	14700.00	8180.00	19
20	11330.00	8699.00	20
21	8732.00	9219.00	21
22	9121.00	10130.00	22
23	15610.00	9608.00	23
24	14960.00	9998.00	24
25	8602.00	11170.00	25
26	12370.00	9738.00	26
27	20420.00	9478.00	27
28	20550.00	11940.00	28
29	16780.00	8959.00	29
30	20550.00	13500.00	30
31	14960.00	7920.00	31
32	14180.00	8959.00	32
33	23140.00	9348.00	33
34	18730.00	8569.00	34
35	10810.00	12080.00	35
36	9511.00	11040.00	36
37	11590.00	10780.00	37
38	14570.00	12460.00	38
39	56250.00	6362.00	39
40	58980.00	6492.00	40
41	58720.00	8308.00	41
42	59500.00	7529.00	42
43	56380.00	10120.00	43
44	29380.00	7012.00	44
45	54820.00	4934.00	45
46	57290.00	7401.00	46
47	57550.00	7401.00	47
48	57550.00	8179.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 141

TOW 24300 TBCG 4.4 FWD FLIGHT DATE 08/31/77

EVFNT	41860SDY	41860ALT	EVFNT
49	54300.00	8310.00	49
50	14570.00	8310.00	50
51	7693.00	9219.00	51
52	8732.00	10780.00	52
53	11460.00	9089.00	53
54	3279.00	10520.00	54
55	-2305.00	11690.00	55
56	-1136.00	12080.00	56
57	4837.00	9998.00	57

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
T8GW 24300 T8CG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	4.79	7.78	12.58	-3.41	12.23	.89	2
3	4.38	6.71	11.17	-2.33	10.54	.72	3
4	4.26	7.25	11.50	-2.99	10.29	.89	4
5	4.21	7.20	11.42	-3.07	11.00	.84	5
6	4.42	7.00	11.42	-2.58	9.78	.80	6
7	4.34	7.25	11.67	-2.91	10.29	.80	7
8	4.34	7.16	11.58	-2.83	10.24	.76	8
9	4.38	7.04	11.42	-2.83	10.58	.84	9
10	4.30	7.12	11.42	-2.33	11.51	.84	10
11	4.17	7.25	11.42	-3.16	11.76	.93	11
12	3.92	7.00	10.92	-3.07	12.90	1.06	12
13	3.97	7.20	11.17	-3.24	13.45	1.10	13
14	3.80	7.45	11.34	-3.65	13.07	1.22	14
15	3.97	6.29	10.34	-2.33	12.82	1.14	15
16	4.88	7.87	12.83	-2.99	10.58	.93	16
17	5.08	7.41	12.49	-2.33	11.05	1.14	17
18	4.54	7.54	12.08	-2.99	11.55	1.14	18
19	4.83	8.57	13.41	-3.82	12.10	1.27	19
20	4.83	8.90	13.74	-4.07	12.23	1.39	20
21	4.30	7.29	11.58	-2.99	9.82	.76	21
22	4.30	7.54	11.92	-3.24	10.16	.76	22
23	4.26	8.07	12.33	-3.82	10.67	.84	23
24	4.25	8.57	12.83	-4.40	10.92	.93	24
25	4.17	8.82	12.99	-4.81	11.26	1.01	25
26	3.84	9.07	13.07	-5.23	11.38	1.06	26
27	4.38	7.70	12.33	-3.32	11.47	1.06	27
28	4.96	7.62	12.58	-3.07	12.06	1.06	28
29	4.30	8.28	12.58	-3.99	11.47	1.22	29
30	4.34	8.16	12.66	-3.82	12.23	1.14	30
31	4.42	7.74	12.16	-3.32	11.64	1.56	31
32	4.05	7.45	11.75	-3.41	12.19	1.44	32
33	4.30	9.11	13.41	-4.81	12.73	1.31	33
34	3.97	7.29	11.25	-3.32	12.14	.97	34
35	4.26	7.08	11.34	-2.83	11.89	.80	35
36	4.75	7.41	12.16	-3.49	10.08	1.01	36
37	4.96	8.28	13.24	-3.32	13.79	1.18	37
38	5.16	9.81	14.98	-4.65	14.00	1.90	38
39	4.13	6.71	10.84	-2.99	12.57	1.56	39
40	4.17	8.32	12.58	-4.15	12.57	1.31	40
41	3.34	8.90	12.83	-5.56	13.79	1.44	41
42	5.04	7.45	12.49	-2.91	9.32	1.01	42
43	5.17	7.74	13.07	-3.41	10.08	1.10	43
44	5.58	8.57	14.15	-2.99	10.54	1.22	44
45	4.96	8.53	13.99	-3.57	10.79	1.31	45
46	4.13	7.78	12.91	-3.65	8.39	1.10	46
47	5.99	8.90	14.90	-3.65	12.14	1.48	47
48	4.67	7.83	12.49	-3.16	10.62	1.22	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TCGW 24300 TBCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
49	4.71	7.20	11.92	-2.49	11.22	1.06	49
50	4.13	6.05	10.18	-2.08	9.32	.68	50
51	4.34	6.00	10.51	-1.67	8.56	.76	51
52	4.21	5.47	9.68	-1.34	7.33	.63	52
53	3.84	4.85	8.69	-1.09	5.43	.34	53
54	4.17	7.16	11.34	-2.99	4.97	.89	54
55	3.76	6.91	10.67	-3.16	5.43	.76	55
56	5.17	7.08	12.25	-1.91	6.78	1.10	56
57	5.62	6.29	12.08	-2.16	4.67	.84	57
58	4.05	7.29	11.42	-3.24	5.35	1.01	58
59	4.05	8.45	12.49	-4.48	11.17	1.18	59
60	2.72	3.81	6.61	-1.09	6.11	.42	60
61	3.92	5.34	9.27	-1.91	5.85	.51	61
62	5.54	6.46	12.00	-2.41	5.43	1.10	62
63	4.46	4.39	8.85	-1.67	5.73	.55	63
64	4.21	5.55	10.42	-1.42	5.14	.80	64
65	4.67	5.51	11.00	-1.83	4.51	.76	65
66	4.38	7.37	11.83	-2.99	7.33	.97	66
67	4.50	7.08	11.58	-2.58	10.20	.80	67
68	4.96	7.54	12.49	-2.58	11.17	1.27	68
69	5.62	8.12	13.90	-2.74	9.95	1.31	69
70	4.59	7.58	12.25	-2.99	10.92	1.01	70
71	4.67	7.74	12.41	-3.07	12.73	1.06	71
72	4.83	7.83	12.66	-2.99	13.07	1.06	72
73	5.21	7.87	13.07	-2.66	12.35	1.18	73
74	4.30	7.29	11.58	-3.07	12.82	1.06	74
76	4.30	7.04	11.50	-2.74	12.86	1.18	76
77	4.67	7.58	12.66	-2.91	12.99	1.22	77
78	4.38	7.62	12.00	-3.24	9.95	1.39	78

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TGW 24300 TCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
2	13.52	3.56	6053.00	3428.00	4854.00	16050.00	2
3	11.79	3.27	11350.00	2804.00	4517.00	9290.00	3
4	11.79	3.27	11970.00	3739.00	5192.00	16050.00	4
5	12.45	3.18	11190.00	5141.00	4010.00	23310.00	5
6	11.38	3.37	12130.00	2648.00	4517.00	9290.00	6
7	11.88	3.24	12440.00	2337.00	6206.00	8614.00	7
8	11.95	2.93	12910.00	2181.00	7726.00	8107.00	8
9	12.29	2.58	13060.00	2025.00	8739.00	8107.00	9
10	12.73	2.27	13370.00	2025.00	9415.00	6418.00	10
11	13.43	2.27	13220.00	1870.00	9246.00	6249.00	11
12	15.10	2.80	13220.00	1870.00	9077.00	8107.00	12
13	15.50	2.83	12910.00	2181.00	10430.00	10130.00	13
14	15.54	3.05	12910.00	2493.00	9077.00	9458.00	14
15	15.82	4.22	13840.00	2493.00	10600.00	11320.00	15
16	12.36	3.21	11970.00	1870.00	7895.00	6925.00	16
17	12.98	3.15	10880.00	2960.00	4179.00	11990.00	17
18	13.27	3.18	11350.00	4362.00	4855.00	22130.00	18
19	13.77	2.61	12130.00	2025.00	8908.00	7938.00	19
20	14.05	2.77	11970.00	1870.00	9246.00	8276.00	20
21	11.29	3.40	12600.00	1870.00	6375.00	6756.00	21
22	11.66	3.21	12750.00	2025.00	7050.00	7769.00	22
23	12.20	3.37	12600.00	2181.00	7050.00	7431.00	23
24	12.58	3.49	12750.00	2025.00	7895.00	6925.00	24
25	12.70	3.69	13220.00	1870.00	9415.00	6081.00	25
26	12.83	3.49	13220.00	1870.00	9077.00	6418.00	26
27	13.55	3.09	13530.00	2804.00	7895.00	11320.00	27
28	13.80	2.83	13060.00	2960.00	8233.00	11990.00	28
29	13.52	4.44	13530.00	2804.00	9584.00	9965.00	29
30	13.62	4.28	13370.00	2960.00	9246.00	11650.00	30
31	12.48	4.28	13220.00	3116.00	7726.00	11480.00	31
32	13.80	2.33	12750.00	2337.00	7726.00	7770.00	32
33	13.55	7.18	13060.00	3583.00	7895.00	12670.00	33
34	13.80	3.59	12910.00	2181.00	6881.00	6587.00	34
35	13.58	1.48	13060.00	1714.00	8908.00	6249.00	35
36	12.36	2.83	13370.00	3272.00	10090.00	14530.00	36
37	13.02	2.30	13060.00	2337.00	9246.00	9627.00	37
38	13.52	3.24	12600.00	3427.00	9246.00	14690.00	38
39	16.13	3.97	13370.00	3272.00	10260.00	14020.00	39
40	15.25	3.65	12750.00	2648.00	9077.00	9121.00	40
41	15.44	7.68	12910.00	3739.00	7895.00	12670.00	41
42	10.94	4.13	14780.00	3427.00	10260.00	9965.00	42
43	11.25	4.69	14930.00	3271.00	11950.00	13010.00	43
44	12.95	5.19	14000.00	3895.00	10770.00	13170.00	44
45	13.90	4.19	13530.00	2804.00	10090.00	11490.00	45
46	11.35	3.65	15090.00	3427.00	12290.00	12330.00	46
47	11.66	3.65	13060.00	2960.00	10260.00	13680.00	47
48	12.99	4.03	12440.00	4206.00	4179.00	18070.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TGW 24300 TCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
49	12.98	4.22	12440.00	5453.00	5868.00	25170.00	49
50	10.62	2.30	13690.00	2960.00	9753.00	11820.00	50
51	10.34	2.39	14000.00	3583.00	9246.00	12670.00	51
52	7.79	2.43	13690.00	2960.00	5530.00	11650.00	52
53	5.21	2.87	15710.00	2804.00	5361.00	9458.00	53
54	7.10	7.02	14620.00	3895.00	9584.00	11650.00	54
55	8.23	6.90	14150.00	4362.00	7388.00	12500.00	55
56	7.88	3.84	14310.00	3895.00	7050.00	12500.00	56
57	6.66	3.56	14150.00	4050.00	6882.00	11990.00	57
58	7.82	5.23	12750.00	5764.00	-1901.00	19090.00	58
59	6.59	4.00	12440.00	5453.00	2828.00	20100.00	59
60	6.28	3.75	14620.00	3895.00	2997.00	15880.00	60
61	6.44	5.54	14780.00	3739.00	7050.00	14190.00	61
62	8.84	5.45	14000.00	4518.00	8740.00	15200.00	62
63	5.93	3.46	14780.00	3739.00	3166.00	16040.00	63
64	6.94	4.16	14310.00	4206.00	5362.00	16890.00	64
65	7.22	5.51	14000.00	4206.00	6712.00	16210.00	65
66	7.51	3.90	12910.00	4673.00	5193.00	12330.00	66
67	11.85	3.21	12910.00	1869.00	7219.00	6925.00	67
68	12.67	3.34	12910.00	1869.00	8401.00	7769.00	68
69	12.04	4.66	14000.00	3583.00	13470.00	13850.00	69
70	13.36	2.39	12910.00	2181.00	9077.00	7769.00	70
71	13.93	2.77	13060.00	2025.00	9922.00	7263.00	71
72	14.18	2.33	13220.00	1870.00	10770.00	6756.00	72
73	13.84	2.55	13530.00	2181.00	10930.00	8952.00	73
74	14.75	2.52	12910.00	2181.00	10090.00	9120.00	74
76	15.03	2.36	12750.00	2025.00	10770.00	8783.00	76
77	14.47	2.55	13840.00	3116.00	10260.00	13680.00	77
78	12.26	4.50	11040.00	7478.00	6881.00	35300.00	78

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TSGW 24300 TBCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	3633.00	5507.00	7666.00	4032.00	-4160.00	5452.00	2
3	3083.00	4363.00	6283.00	3648.00	-4201.00	4662.00	3
4	1939.00	6100.00	6898.00	4339.00	-4159.00	5869.00	4
5	2024.00	7541.00	6667.00	6183.00	-4159.00	6618.00	5
6	3634.00	3897.00	7243.00	3764.00	-4076.00	4370.00	6
7	4438.00	3516.00	8088.00	3533.00	-3410.00	4454.00	7
8	4396.00	3474.00	7474.00	4224.00	-3327.00	4620.00	8
9	5116.00	3770.00	7282.00	4877.00	-3535.00	4245.00	9
10	5159.00	4066.00	6705.00	5146.00	-4118.00	3746.00	10
11	5286.00	4109.00	5400.00	5299.00	-4409.00	3039.00	11
12	4820.00	4829.00	4363.00	5722.00	-4659.00	3954.00	12
13	4057.00	4999.00	4939.00	6144.00	-4451.00	4162.00	13
14	4100.00	5210.00	4862.00	6221.00	-4700.00	4329.00	14
15	4100.00	5464.00	3787.00	6528.00	-4742.00	4953.00	15
16	4142.00	3558.00	5054.00	3956.00	-3827.00	4703.00	16
17	2320.00	5041.00	3556.00	4378.00	-4326.00	4953.00	17
18	964.50	7668.00	3211.00	5184.00	-3785.00	6742.00	18
19	4608.00	4448.00	5477.00	5069.00	-4909.00	4287.00	19
20	4777.00	4787.00	4478.00	5453.00	-5075.00	4121.00	20
21	3591.00	3431.00	4440.00	3725.00	-3410.00	4537.00	21
22	4100.00	3431.00	4325.00	4301.00	-3285.00	4329.00	22
23	4312.00	3812.00	4248.00	4915.00	-3618.00	4162.00	23
24	4227.00	3897.00	4363.00	5107.00	-3785.00	3912.00	24
25	4185.00	4024.00	4670.00	5261.00	-4034.00	3663.00	25
26	4227.00	3982.00	4248.00	5299.00	-4076.00	3455.00	26
27	4523.00	4702.00	3979.00	6183.00	-4076.00	4787.00	27
28	4396.00	4914.00	4401.00	6068.00	-5283.00	4995.00	28
29	4481.00	4998.00	4747.00	5875.00	-5408.00	5119.00	29
30	3888.00	4829.00	4478.00	6068.00	-5158.00	5036.00	30
31	3973.00	6354.00	4363.00	5799.00	-4576.00	6534.00	31
32	4311.00	4575.00	5016.00	5453.00	-4576.00	4037.00	32
33	3845.00	5719.00	5630.00	5914.00	-3577.00	6368.00	33
34	3591.00	4533.00	4670.00	5031.00	-4576.00	3288.00	34
35	3888.00	3982.00	4516.00	5031.00	-4534.00	3246.00	35
36	3888.00	5083.00	3480.00	6682.00	-5907.00	5036.00	36
37	5074.00	5168.00	4747.00	5491.00	-4867.00	5161.00	37
38	4481.00	6523.00	3748.00	6490.00	-5491.00	8283.00	38
39	3718.00	7117.00	2788.00	6298.00	-4368.00	5577.00	39
40	3676.00	5295.00	3442.00	5953.00	-5242.00	5036.00	40
41	5286.00	7074.00	4094.00	7604.00	-6615.00	7075.00	41
42	3846.00	4024.00	2981.00	4416.00	-3244.00	5452.00	42
43	3845.00	4109.00	2558.00	4762.00	-4493.00	5785.00	43
44	3464.00	4999.00	3595.00	5338.00	-3993.00	7700.00	44
45	4142.00	4829.00	3326.00	5146.00	-3493.00	7450.00	45
46	3380.00	4829.00	3211.00	4570.00	-5242.00	5785.00	46
47	4650.00	5507.00	5169.00	4301.00	-4950.00	8407.00	47
48	1135.00	6736.00	1406.00	5607.00	-4784.00	6576.00	48

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TSGW 24300 TSCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
49	1007.00	8896.00	-168.50	6337.00	-5034.00	7076.00	49
50	3549.00	4575.00	3595.00	5875.00	-3410.00	4870.00	50
51	3718.00	4660.00	3211.00	6336.00	-3369.00	5161.00	51
52	2193.00	4660.00	2327.00	5607.00	-3910.00	3621.00	52
53	1897.00	4278.00	2904.00	4109.00	-3910.00	2789.00	53
54	2194.00	5676.00	2904.00	4493.00	-5033.00	3996.00	54
55	2617.00	4490.00	2750.00	4493.00	-5575.00	3621.00	55
56	3168.00	5210.00	4670.00	5645.00	-7115.00	4246.00	56
57	2490.00	5719.00	6245.00	4301.00	-5991.00	3122.00	57
58	1049.00	5973.00	2980.00	5338.00	-7822.00	6451.00	58
59	922.50	8049.00	2481.00	6759.00	-3909.00	7034.00	59
60	456.50	6058.00	6974.00	7028.00	-3785.00	4412.00	60
61	2532.00	5507.00	5630.00	5991.00	-3244.00	4120.00	61
62	3506.00	6905.00	3672.00	6797.00	-6157.00	7034.00	62
63	2956.00	6100.00	3364.00	6644.00	-5949.00	4828.00	63
64	3041.00	7287.00	4363.00	6797.00	-5907.00	5952.00	64
65	3168.00	6481.00	3672.00	6797.00	-6657.00	5036.00	65
66	3295.00	5761.00	3441.00	5415.00	-4659.00	4537.00	66
67	3803.00	3304.00	5284.00	3802.00	-3660.00	4620.00	67
68	4142.00	3219.00	5515.00	3725.00	-3993.00	4453.00	68
69	4269.00	4533.00	4977.00	5338.00	-3660.00	7117.00	69
70	4778.00	4024.00	5246.00	5223.00	-4118.00	4495.00	70
71	4608.00	3855.00	5861.00	5069.00	-4534.00	4079.00	71
72	4989.00	4151.00	6360.00	5415.00	-4493.00	4037.00	72
73	5159.00	4575.00	6130.00	5568.00	-4825.00	5036.00	73
74	4566.00	4744.00	5822.00	5876.00	-5283.00	4079.00	74
76	4311.00	4660.00	6091.00	5837.00	-4909.00	4120.00	76
77	4438.00	5041.00	5592.00	6874.00	-6490.00	5869.00	77
78	2321.00	11060.00	4593.00	8641.00	-2329.00	12030.00	78

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TGW 24300 TCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-5174.00	4854.00	-3699.00	13100.00	39900.00	15650.00	2
3	-4707.00	3890.00	-3338.00	12190.00	48670.00	13600.00	3
4	-3867.00	5352.00	-3609.00	13010.00	47210.00	14180.00	4
5	-4925.00	6472.00	-4331.00	14810.00	45750.00	14770.00	5
6	-4645.00	4138.00	-2887.00	11200.00	47790.00	12720.00	6
7	-4458.00	3952.00	-3609.00	12100.00	46040.00	13310.00	7
8	-4489.00	4170.00	-3248.00	11560.00	45310.00	13160.00	8
9	-4645.00	4076.00	-2887.00	11740.00	45450.00	13600.00	9
10	-4583.00	4076.00	-3699.00	12190.00	44720.00	14040.00	10
11	-4365.00	3547.00	-4061.00	13820.00	43850.00	15500.00	11
12	-5267.00	4076.00	-5235.00	16080.00	44280.00	18280.00	12
13	-5392.00	4823.00	-5596.00	16620.00	43260.00	19300.00	13
14	-5018.00	4636.00	-5325.00	16710.00	43550.00	19300.00	14
15	-5516.00	5632.00	-5506.00	17250.00	43990.00	20910.00	15
16	-4707.00	3890.00	-628.50	11830.00	42680.00	11990.00	16
17	-5329.00	4388.00	364.50	12640.00	42820.00	13010.00	17
18	-4489.00	5601.00	-1171.00	13820.00	42970.00	15210.00	18
19	-5641.00	4325.00	-448.00	14540.00	43110.00	14480.00	19
20	-5703.00	4450.00	-719.00	14810.00	42380.00	15500.00	20
21	-4365.00	3983.00	-2616.00	11470.00	43110.00	13310.00	21
22	-4458.00	3890.00	-2886.00	11020.00	42820.00	12720.00	22
23	-4614.00	4170.00	-3157.00	11290.00	41800.00	12870.00	23
24	-4489.00	4045.00	-3067.00	11920.00	41210.00	13160.00	24
25	-4489.00	4170.00	-3429.00	12100.00	41510.00	13750.00	25
26	-4023.00	3827.00	-3609.00	12820.00	40190.00	14180.00	26
27	-5454.00	5258.00	-3790.00	16260.00	42380.00	18130.00	27
28	-5081.00	5134.00	-3790.00	15890.00	41800.00	17840.00	28
29	-4832.00	5134.00	-3699.00	19420.00	41650.00	22080.00	29
30	-5610.00	5166.00	-4061.00	17250.00	41070.00	19450.00	30
31	-2933.00	6721.00	-2164.00	17880.00	41650.00	21200.00	31
32	-5361.00	4108.00	-3970.00	15170.00	41800.00	16380.00	32
33	-5018.00	6192.00	-5867.00	20860.00	38870.00	25440.00	33
34	-5111.00	2801.00	-3790.00	13910.00	42530.00	15060.00	34
35	-5392.00	2458.00	-4241.00	14000.00	41510.00	16380.00	35
36	-4334.00	5508.00	-3880.00	16170.00	42240.00	19740.00	36
37	-5951.00	5259.00	-5054.00	20230.00	41210.00	23100.00	37
38	-5205.00	8681.00	-7131.00	24840.00	38290.00	28660.00	38
39	-5952.00	5445.00	-6047.00	16890.00	41070.00	21790.00	39
40	-4054.00	5165.00	-6138.00	18420.00	42680.00	22520.00	40
41	-5454.00	7872.00	-5054.00	27450.00	38430.00	34070.00	41
42	-4085.00	5321.00	-2525.00	14270.00	43990.00	15650.00	42
43	-4365.00	5165.00	-2255.00	16170.00	43990.00	17400.00	43
44	-4863.00	7592.00	-3248.00	16620.00	42380.00	17250.00	44
45	-4396.00	7125.00	-4331.00	16620.00	41940.00	17990.00	45
46	-4614.00	4854.00	-719.00	14630.00	43260.00	17260.00	46
47	-6387.00	7624.00	-4874.00	18420.00	41650.00	21500.00	47
48	-4645.00	6005.00	-2977.00	14720.00	43700.00	16520.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
TCGW 24300 TCCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-5174.00	4854.00	-3699.00	13100.00	39900.00	15650.00	2
3	-4707.00	3890.00	-3338.00	12190.00	48670.00	13600.00	3
4	-3867.00	5352.00	-3609.00	13010.00	47210.00	14180.00	4
5	-4925.00	6472.00	-4331.00	14810.00	45750.00	14770.00	5
6	-4645.00	4138.00	-2887.00	11200.00	47790.00	12720.00	6
7	-4458.00	3952.00	-3609.00	12100.00	46040.00	13310.00	7
8	-4489.00	4170.00	-3248.00	11560.00	45310.00	13160.00	8
9	-4645.00	4076.00	-2887.00	11740.00	45450.00	13600.00	9
10	-4583.00	4076.00	-3699.00	12190.00	44720.00	14040.00	10
11	-4365.00	3547.00	-4061.00	13820.00	43850.00	15500.00	11
12	-5267.00	4076.00	-5235.00	16080.00	44280.00	18280.00	12
13	-5392.00	4823.00	-5596.00	16620.00	43260.00	19300.00	13
14	-5018.00	4636.00	-5325.00	16710.00	43550.00	19300.00	14
15	-5516.00	5632.00	-5506.00	17250.00	43990.00	20910.00	15
16	-4707.00	3890.00	-628.50	11830.00	42630.00	11990.00	16
17	-5329.00	4388.00	364.50	12640.00	42820.00	13010.00	17
18	-4489.00	5601.00	-1171.00	13820.00	42970.00	15210.00	18
19	-5641.00	4325.00	-448.00	14540.00	43110.00	14480.00	19
20	-5703.00	4450.00	-719.00	14810.00	42380.00	15500.00	20
21	-4365.00	3983.00	-2616.00	11470.00	43110.00	13310.00	21
22	-4458.00	3890.00	-2886.00	11020.00	42820.00	12720.00	22
23	-4614.00	4170.00	-3157.00	11290.00	41800.00	12870.00	23
24	-4489.00	4045.00	-3067.00	11920.00	41210.00	13160.00	24
25	-4489.00	4170.00	-3429.00	12100.00	41510.00	13750.00	25
26	-4023.00	3827.00	-3609.00	12820.00	40190.00	14180.00	26
27	-5454.00	5258.00	-3790.00	16260.00	42380.00	18130.00	27
28	-5081.00	5134.00	-3790.00	15890.00	41800.00	17840.00	28
29	-4832.00	5134.00	-3699.00	19420.00	41650.00	22080.00	29
30	-5610.00	5166.00	-4061.00	17250.00	41070.00	19450.00	30
31	-2933.00	6721.00	-2164.00	17880.00	41650.00	21200.00	31
32	-5361.00	4108.00	-3970.00	15170.00	41800.00	16380.00	32
33	-5018.00	6192.00	-5867.00	20860.00	38870.00	25440.00	33
34	-5111.00	2801.00	-3790.00	13910.00	42530.00	15060.00	34
35	-5392.00	2458.00	-4241.00	14000.00	41510.00	16380.00	35
36	-4334.00	5508.00	-3880.00	16170.00	42240.00	19740.00	36
37	-5951.00	5259.00	-5054.00	20230.00	41210.00	23100.00	37
38	-5205.00	8681.00	-7131.00	24840.00	38290.00	28660.00	38
39	-5952.00	5445.00	-6047.00	16890.00	41070.00	21790.00	39
40	-4054.00	5165.00	-6138.00	18420.00	42680.00	22520.00	40
41	-5454.00	7872.00	-5054.00	27450.00	38430.00	34070.00	41
42	-4085.00	5321.00	-2525.00	14270.00	43990.00	15650.00	42
43	-4365.00	5165.00	-2255.00	16170.00	43990.00	17400.00	43
44	-4863.00	7592.00	-3248.00	16620.00	42380.00	17250.00	44
45	-4396.00	7125.00	-4331.00	16620.00	41940.00	17990.00	45
46	-4614.00	4854.00	-719.00	14630.00	43260.00	17260.00	46
47	-4387.00	7624.00	-4874.00	18420.00	41650.00	21500.00	47
48	-4645.00	6005.00	-2977.00	14720.00	43700.00	16520.00	48

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AIRCRAFT SLP1 FLIGHT 142

TCGW 24300 TCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
49	-5081.00	6255.00	-3699.00	16530.00	42680.00	17550.00	49
50	-2840.00	5819.00	-2164.00	12460.00	42240.00	12430.00	50
51	-3805.00	7779.00	-2706.00	13370.00	41360.00	14770.00	51
52	-4022.00	4699.00	-2525.00	11920.00	41510.00	14330.00	52
53	-2840.00	2770.00	-1803.00	10840.00	45750.00	14480.00	53
54	-5112.00	4854.00	-2887.00	14090.00	45600.00	18420.00	54
55	-5796.00	4045.00	-1622.00	13190.00	42090.00	16670.00	55
56	-5703.00	4636.00	-1893.00	14360.00	43110.00	20330.00	56
57	-5796.00	3298.00	-448.00	14540.00	44870.00	19740.00	57
58	-6947.00	6379.00	-809.00	13460.00	45450.00	18860.00	58
59	-2063.00	7966.00	-4873.00	15350.00	43700.00	17990.00	59
60	-2436.00	4667.00	-2886.00	12820.00	43850.00	17840.00	60
61	-3680.00	4730.00	-1803.00	11920.00	45160.00	15350.00	61
62	-6916.00	6908.00	-448.00	18510.00	46180.00	22810.00	62
63	-3089.00	4947.00	-809.00	15080.00	46040.00	18860.00	63
64	-6014.00	6627.00	365.00	17520.00	52320.00	24270.00	64
65	-5827.00	5445.00	816.00	15990.00	51590.00	21490.00	65
66	-4645.00	4947.00	-2074.00	15620.00	42530.00	19160.00	66
67	-4520.00	4139.00	-2616.00	12370.00	40770.00	13600.00	67
68	-5298.00	3734.00	-2435.00	13820.00	42680.00	14620.00	68
69	-5018.00	7375.00	-2345.00	16440.00	42090.00	17550.00	69
70	-4707.00	4512.00	-2525.00	13370.00	40770.00	15060.00	70
71	-5485.00	3921.00	-3699.00	14000.00	41070.00	15350.00	71
72	-6449.00	3703.00	-4331.00	14810.00	41360.00	16820.00	72
73	-6200.00	4699.00	-3609.00	15890.00	39600.00	18280.00	73
74	-5640.00	4201.00	-5054.00	16800.00	39750.00	19010.00	74
76	-5018.00	3952.00	-4332.00	16440.00	41070.00	18570.00	76
77	-5952.00	6192.00	-4693.00	17700.00	40770.00	22670.00	77
78	-5330.00	11170.00	-3970.00	18420.00	39600.00	21790.00	78

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
T0GW 24300 T0CG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	29970.00	15440.00	-674.90	1433.00	-1801.00	1363.00	2
3	29960.00	15110.00	-187.00	1189.00	-1297.00	1006.00	3
4	33130.00	16270.00	-187.00	1128.00	-1077.00	1142.00	4
5	22790.00	17930.00	-126.00	1250.00	-993.50	1247.00	5
6	33290.00	14110.00	-308.90	1250.00	-1402.00	1090.00	6
7	21800.00	14940.00	-369.90	1372.00	-1612.00	1342.00	7
8	30800.00	14940.00	-674.90	1616.00	-1664.00	1436.00	8
9	20140.00	13950.00	-705.40	1708.00	-1706.00	1499.00	9
10	29470.00	13950.00	-735.90	1982.00	-1769.00	1666.00	10
11	29800.00	15610.00	-857.90	2165.00	-1947.00	1719.00	11
12	30970.00	20420.00	-918.90	2653.00	-2010.00	2012.00	12
13	21130.00	21590.00	-979.90	2836.00	-2115.00	2139.00	13
14	30970.00	22420.00	-1041.00	2958.00	-2126.00	2274.00	14
15	21130.00	23580.00	-1163.00	3020.00	-2136.00	2160.00	15
16	29310.00	10790.00	-369.90	1433.00	-1539.00	1289.00	16
17	21130.00	12950.00	-34.47	1220.00	-1360.00	985.20	17
18	30470.00	16940.00	-34.47	1159.00	-1109.00	1174.00	18
19	20470.00	11960.00	-522.40	1952.00	-1748.00	1771.00	19
20	28810.00	13620.00	-827.40	1891.00	-1780.00	1782.00	20
21	21130.00	14280.00	-491.90	1494.00	-1539.00	1310.00	21
22	20140.00	13950.00	-644.40	1586.00	-1643.00	1436.00	22
23	29310.00	14110.00	-644.40	1769.00	-1696.00	1551.00	23
24	28970.00	14450.00	-735.90	1921.00	-1759.00	1677.00	24
25	28970.00	14780.00	-644.40	2013.00	-1780.00	1761.00	25
26	28970.00	15110.00	-735.90	2104.00	-1842.00	1740.00	26
27	20800.00	17930.00	-918.90	2287.00	-2042.00	2044.00	27
28	28810.00	18270.00	-979.90	2348.00	-2073.00	2076.00	28
29	21630.00	20760.00	-1071.00	2440.00	-2136.00	2264.00	29
30	28480.00	19260.00	-644.40	2501.00	-2052.00	2118.00	30
31	30470.00	23250.00	-949.40	2684.00	-1958.00	2044.00	31
32	20300.00	17100.00	-918.90	2531.00	-2010.00	1929.00	32
33	29140.00	24240.00	-888.40	2745.00	-1675.00	2117.00	33
34	21130.00	14610.00	-583.40	2196.00	-1958.00	1792.00	34
35	21130.00	16600.00	-705.40	2135.00	-1926.00	1698.00	35
36	27310.00	20090.00	-1163.00	2348.00	-2157.00	2118.00	36
37	29640.00	22750.00	-674.90	2409.00	-1717.00	1887.00	37
38	28640.00	26070.00	-1956.00	2958.00	-2011.00	2746.00	38
39	25780.00	24240.00	-1438.00	3050.00	-2273.00	2484.00	39
40	20640.00	22080.00	-1041.00	2958.00	-2262.00	2264.00	40
41	28140.00	35200.00	-980.40	3630.00	-2262.00	2537.00	41
42	21960.00	17440.00	-583.40	1769.00	-1664.00	1583.00	42
43	30970.00	19430.00	-827.40	1769.00	-1549.00	1656.00	43
44	22630.00	20090.00	-247.90	1982.00	-1675.00	1887.00	44
45	22130.00	21250.00	-583.40	2013.00	-1979.00	1855.00	45
46	20800.00	18270.00	-766.40	1830.00	-1811.00	1687.00	46
47	29640.00	24080.00	-278.40	2623.00	-1937.00	2338.00	47
48	21800.00	20920.00	57.00	1433.00	-1014.00	1268.00	48

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AIRCRAFT SLP1 FLIGHT 142
TSGW 24300 TSCR 4.4 FWD FLIGHT DATE 09/01/77

EVENT	41780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
49	29970.00	21090.00	-126.00	1799.00	-1098.00	1583.00	49
50	29470.00	11620.00	-674.90	1860.00	-1612.00	1404.00	50
51	28480.00	13950.00	-766.40	1952.00	-1769.00	1604.00	51
52	29140.00	12950.00	-705.40	1891.00	-1360.00	1384.00	52
53	33960.00	14780.00	-644.40	1647.00	-1203.00	1247.00	53
54	32130.00	19260.00	-705.40	1891.00	-1633.00	1740.00	54
55	30470.00	16600.00	-522.40	1525.00	-1297.00	1342.00	55
56	29310.00	21090.00	-1132.00	2257.00	-1654.00	1551.00	56
57	32630.00	21750.00	-1010.00	2074.00	-1612.00	1572.00	57
58	31470.00	21590.00	-644.40	2013.00	-1360.00	1279.00	58
59	30970.00	18430.00	-156.50	1891.00	-962.10	1488.00	59
60	34290.00	18760.00	-857.90	2226.00	-1161.00	1750.00	60
61	33290.00	16770.00	-888.40	2196.00	-1664.00	1855.00	61
62	29470.00	21920.00	-1621.00	2806.00	-1969.00	2285.00	62
63	33460.00	17270.00	-1529.00	2654.00	-2126.00	2128.00	63
64	34290.00	25070.00	-1682.00	2989.00	-2126.00	2568.00	64
65	26480.00	21590.00	-1682.00	2623.00	-2157.00	2013.00	65
66	29800.00	19930.00	-1651.00	2287.00	-2125.00	1750.00	66
67	30640.00	14450.00	-552.90	1494.00	-1664.00	1373.00	67
68	31470.00	15280.00	-583.40	1586.00	-1780.00	1488.00	68
69	28970.00	19100.00	-613.90	1982.00	-1832.00	1813.00	69
70	28970.00	15110.00	-735.90	1982.00	-1916.00	1667.00	70
71	28970.00	15440.00	-766.40	2013.00	-1989.00	1761.00	71
72	29970.00	16770.00	-827.40	2196.00	-2042.00	1876.00	72
73	27310.00	18760.00	-888.40	2318.00	-2178.00	2097.00	73
74	30630.00	20760.00	-918.90	2592.00	-2220.00	2096.00	74
76	31630.00	20420.00	-949.40	2501.00	-2178.00	2013.00	76
77	29140.00	21250.00	-1498.00	2379.00	-2388.00	2243.00	77
78	34450.00	28560.00	57.03	2165.00	-1224.00	1687.00	78

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142
T8GW 24300 T8CG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-341.50	757.80	908.60	453.80	974.40	329.30	2
3	-305.40	667.60	893.70	290.10	981.90	276.90	3
4	-314.40	676.60	953.20	468.70	989.40	359.20	4
5	-233.30	848.10	938.30	632.30	981.90	396.70	5
6	-251.30	739.80	916.00	252.90	981.90	261.90	6
7	-314.40	748.80	863.90	215.80	937.00	276.90	7
8	-350.50	748.80	856.50	193.40	937.00	306.80	8
9	-341.50	757.80	841.60	178.50	929.50	284.40	9
10	-377.60	830.00	811.80	178.50	959.50	254.50	10
11	-413.70	938.30	797.00	163.70	981.90	217.00	11
12	-422.70	1218.00	744.90	260.40	1004.00	269.40	12
13	-431.70	1263.00	707.70	282.70	981.90	276.90	13
14	-476.80	1290.00	692.80	297.60	989.40	284.40	14
15	-540.00	1299.00	700.30	319.90	989.40	314.30	15
16	-458.80	748.80	685.40	171.10	862.20	306.80	16
17	-404.60	748.80	744.90	334.80	914.60	299.40	17
18	-242.30	766.90	782.10	610.00	869.70	404.10	18
19	-512.90	983.40	648.20	178.60	929.50	284.40	19
20	-521.90	992.40	633.30	208.30	937.00	276.90	20
21	-305.40	739.80	856.50	178.50	937.00	291.90	21
22	-314.40	748.80	826.70	178.50	914.60	284.40	22
23	-377.60	775.90	811.80	193.40	952.00	276.90	23
24	-431.70	775.90	811.80	178.50	959.50	254.50	24
25	-377.60	848.10	811.80	178.50	981.90	247.00	25
26	-386.60	875.10	834.20	171.10	974.40	239.50	26
27	-531.00	1092.00	789.50	275.30	989.40	314.30	27
28	-521.90	1083.00	804.40	260.40	1049.00	329.30	28
29	-594.10	1137.00	744.90	260.40	1027.00	336.80	29
30	-476.80	1128.00	774.70	290.20	1027.00	336.80	30
31	-296.40	1164.00	878.80	305.00	1004.00	419.10	31
32	-440.70	1128.00	826.70	208.30	981.90	276.90	32
33	-458.80	1218.00	811.80	282.70	907.10	426.60	33
34	-431.70	956.30	901.10	193.40	989.40	224.50	34
35	-431.70	992.40	856.50	148.80	996.90	217.00	35
36	-512.90	1128.00	826.70	297.60	1109.00	344.30	36
37	-395.60	992.40	841.60	267.80	1019.00	359.20	37
38	-585.10	1380.00	841.60	357.10	1042.00	561.30	38
39	-531.00	1489.00	804.40	379.40	937.00	351.80	39
40	-594.10	1245.00	804.40	275.30	1049.00	329.30	40
41	-639.20	1416.00	856.50	401.70	1109.00	464.00	41
42	-440.70	947.30	863.90	230.60	914.60	344.30	42
43	-503.90	956.30	856.50	282.70	989.40	374.20	43
44	-621.20	1092.00	863.90	364.50	959.50	479.00	44
45	-594.10	1047.00	782.10	327.30	937.00	471.50	45
46	-323.40	1029.00	893.70	290.10	1049.00	359.20	46
47	-693.30	1019.00	767.20	401.70	1004.00	508.90	47
48	-269.30	812.00	1035.00	505.90	1027.00	411.60	48

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AIRCRAFT SLP1 FLIGHT 142
TSGW 24300 TSCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
49	-251.30	848.00	968.10	736.50	1019.00	434.10	49
50	-215.20	811.90	878.80	260.40	929.50	329.30	50
51	-260.30	911.20	826.70	282.70	914.60	344.30	51
52	-224.20	748.80	908.60	260.40	966.90	232.00	52
53	-134.00	586.40	1132.00	260.40	1042.00	172.10	53
54	-377.60	848.10	1109.00	342.20	1206.00	247.00	54
55	-260.30	640.60	1035.00	342.20	1072.00	232.00	55
56	-404.70	784.90	997.80	319.90	1214.00	284.40	56
57	-395.60	793.90	1102.00	349.70	1102.00	202.10	57
58	-134.00	730.80	1243.00	476.10	1251.00	396.70	58
59	-161.10	884.10	1042.00	528.20	952.00	426.60	59
60	-106.90	848.10	1102.00	394.30	1012.00	276.90	60
61	-116.00	965.30	1251.00	334.80	1042.00	247.00	61
62	-467.80	1209.00	1065.00	372.00	1139.00	449.00	62
63	-386.60	1074.00	1102.00	394.30	1147.00	306.80	63
64	-368.60	1290.00	1147.00	424.10	1191.00	381.70	64
65	-630.20	1227.00	945.80	431.50	1191.00	321.80	65
66	-377.60	938.30	1035.00	312.50	996.90	291.90	66
67	-296.40	730.80	923.40	186.00	952.00	291.90	67
68	-404.70	766.80	863.90	200.90	974.40	284.40	68
69	-612.20	1101.00	797.00	357.10	1012.00	441.60	69
70	-476.80	821.00	863.90	171.10	966.90	291.90	70
71	-494.80	893.20	826.70	178.50	996.90	276.90	71
72	-503.90	956.30	811.80	178.50	1004.00	269.40	72
73	-603.10	1001.00	797.00	238.00	1027.00	321.80	73
74	-558.00	1173.00	752.30	267.80	1034.00	269.40	74
76	-558.00	1191.00	737.40	267.80	1027.00	276.90	76
77	-630.20	1209.00	759.80	319.90	1132.00	381.70	77
78	-79.88	875.10	916.00	952.30	914.60	733.40	78

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AIRCRAFT SLP1 FLIGHT 142

T8GW 24300 T8CG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	41860SDY	41860ALT	EVENT
2	2167.00	9226.00	2
3	15420.00	8187.00	3
4	16590.00	9616.00	4
5	12300.00	10790.00	5
6	20360.00	7927.00	6
7	17110.00	8316.00	7
8	16200.00	7667.00	8
9	14250.00	8316.00	9
10	6975.00	8576.00	10
11	7105.00	9486.00	11
12	-42.00	10920.00	12
13	-2901.00	11180.00	13
14	-951.50	11820.00	14
15	-951.50	11820.00	15
16	14510.00	7537.00	16
17	10350.00	8316.00	17
18	8274.00	9356.00	18
19	5416.00	9616.00	19
20	4636.00	9876.00	20
21	18670.00	7537.00	21
22	17500.00	7407.00	22
23	13470.00	8057.00	23
24	11780.00	8446.00	24
25	10870.00	8836.00	25
26	9054.00	9356.00	26
27	9054.00	10400.00	27
28	4455.00	10400.00	28
29	5675.00	11180.00	29
30	8664.00	10790.00	30
31	9314.00	14290.00	31
32	4506.00	12860.00	32
33	3856.00	12210.00	33
34	5286.00	9486.00	34
35	6845.00	9226.00	35
36	18670.00	9876.00	36
37	-8098.00	12730.00	37
38	-10960.00	16370.00	38
39	2557.00	14810.00	39
40	3077.00	12990.00	40
41	-3421.00	14550.00	41
42	11260.00	9226.00	42
43	17370.00	10140.00	43
44	15940.00	11040.00	44
45	14640.00	12080.00	45
46	26730.00	9876.00	46
47	2167.00	14420.00	47
48	15680.00	11300.00	48

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 142

TSGW 24300 TBCG 4.4 FWD FLIGHT DATE 09/01/77

EVENT	41860SDY	41860ALT	EVENT
49	11390.00	11170.00	49
50	25300.00	6887.00	50
51	28540.00	8317.00	51
52	36210.00	6627.00	52
53	54010.00	5978.00	53
54	54480.00	8706.00	54
55	49720.00	7667.00	55
56	53880.00	8706.00	56
57	56610.00	8576.00	57
58	55050.00	9876.00	58
59	10870.00	11180.00	59
60	46740.00	6757.00	60
61	57390.00	6497.00	61
62	49590.00	9876.00	62
63	54480.00	7407.00	63
64	57650.00	8833.00	64
65	58300.00	8183.00	65
66	54790.00	8576.00	66
67	17500.00	7927.00	67
68	10740.00	10270.00	68
69	19060.00	11820.00	69
70	1258.00	9356.00	70
71	-562.00	10140.00	71
72	-2511.00	10530.00	72
73	1128.00	11040.00	73
74	-4460.00	11180.00	74
76	-42.50	11690.00	76
77	-2381.00	11700.00	77
78	5545.00	15200.00	78

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TCGW 24300 TCCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
1	3.04	3.88	7.02	-0.98	10.75	.34	1
2	3.35	3.59	7.84	-0.24	12.86	.59	2
3	4.21	3.55	7.84	.67	13.32	.46	3
4	4.34	3.34	7.76	.75	13.70	.42	4
5	4.54	7.34	11.88	-3.13	12.43	1.10	5
6	3.64	8.33	12.29	-4.94	11.84	1.52	6
7	4.38	7.34	11.72	-2.96	12.35	1.01	7
8	3.92	8.20	12.21	-4.36	10.16	1.27	8
9	4.17	7.54	11.72	-3.45	12.01	1.01	9
10	4.71	7.42	12.13	-2.88	11.21	.89	10
11	4.38	7.34	11.72	-2.96	11.34	.76	11
12	4.05	7.17	11.39	-3.13	9.90	.76	12
13	4.17	7.63	11.88	-3.45	10.11	.89	13
14	4.21	7.42	11.63	-3.29	10.49	.76	14
15	4.17	7.63	12.05	-3.45	10.20	.89	15
16	4.09	7.46	11.55	-3.45	11.04	.80	16
17	4.05	7.34	11.39	-3.29	11.97	.89	17
18	4.30	7.83	12.13	-3.54	12.14	1.14	18
19	4.17	7.54	11.72	-3.37	13.02	1.10	19
20	4.21	7.09	11.30	-3.04	13.23	.97	20
21	4.34	7.79	12.62	-3.45	11.80	1.05	21
22	3.88	7.50	11.63	-3.70	12.56	.97	22
23	4.01	6.64	10.64	-2.63	8.60	.63	23
24	3.72	6.10	9.98	-2.47	7.67	.55	24
25	4.75	8.04	12.79	-3.29	11.08	1.01	25
26	4.75	7.87	12.62	-3.54	11.93	1.10	26
27	4.83	7.54	12.38	-3.13	11.55	1.05	27
28	4.13	7.17	11.30	-3.04	9.99	.76	28
29	3.80	4.45	8.34	-0.65	9.73	.67	29
30	3.92	4.00	7.92	-0.16	9.99	.67	30
31	3.80	3.96	7.76	-0.16	10.37	.63	31
32	3.84	4.58	8.50	-0.73	10.41	.67	32
33	3.84	4.58	8.58	-0.82	11.29	.80	33
34	4.21	5.77	9.98	-1.64	11.97	1.05	34
35	4.42	5.48	9.90	-1.23	11.51	1.01	35
36	4.09	5.73	9.90	-1.64	13.23	.97	36
37	4.17	5.40	9.57	-1.23	13.15	.97	37
38	4.30	5.19	9.65	-0.90	12.18	.93	38
39	3.55	4.29	7.84	-0.73	8.64	.67	39
40	3.43	3.42	6.85	-0.07	7.37	.51	40
41	4.63	4.53	9.24	-0.07	11.76	1.01	41
42	3.55	7.75	11.47	-4.20	11.42	1.27	42
43	4.17	7.71	11.88	-3.70	11.93	1.27	43
44	3.68	3.67	7.68	-0.65	11.13	.38	44
45	4.38	3.30	7.84	.75	13.53	.34	45
46	4.17	2.93	7.18	.42	12.48	.30	46
47	3.10	4.82	7.92	-1.81	11.67	.59	47

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AIRCRAFT SLP1 FLIGHT 143
TGW 24300 TCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
48	2.98	5.77	8.75	-2.80	12.52	.76	48
49	3.02	6.56	9.57	-3.62	13.78	.84	49
50	2.98	6.76	9.98	-3.95	13.87	1.27	50

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AIRCRAFT SLP1 FLIGHT 143
TGW 24300 TCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
1	10.60	3.34	7528.00	3577.00	-161.50	13640.00	1
2	12.07	3.89	8306.00	3111.00	6913.00	12630.00	2
3	13.51	3.56	8928.00	3111.00	5734.00	11450.00	3
4	13.74	3.86	7995.00	2800.00	5734.00	11790.00	4
5	13.05	3.89	8150.00	4510.00	1860.00	20720.00	5
6	9.06	4.35	8305.00	6843.00	2870.00	29480.00	6
7	12.39	4.09	7839.00	4199.00	680.50	20890.00	7
8	8.63	4.45	8305.00	8709.00	2365.00	38070.00	8
9	12.89	3.79	8461.00	6065.00	5566.00	28470.00	9
10	11.81	4.15	8461.00	2644.00	4724.00	10110.00	10
11	12.13	3.89	9083.00	2644.00	6408.00	9433.00	11
12	11.05	4.06	9705.00	2644.00	2871.00	8928.00	12
13	10.40	4.45	10480.00	2489.00	5397.00	9433.00	13
14	11.22	3.89	10790.00	1867.00	6576.00	6906.00	14
15	11.38	4.25	10790.00	2178.00	5566.00	8254.00	15
16	11.54	3.70	11260.00	1711.00	7587.00	6233.00	16
17	12.88	3.40	11420.00	1867.00	7419.00	6401.00	17
18	13.25	3.96	11100.00	2178.00	7082.00	6738.00	18
19	14.55	3.76	10790.00	1867.00	8261.00	6907.00	19
20	12.95	4.05	10950.00	2022.00	6576.00	7580.00	20
21	13.31	3.69	11420.00	2178.00	9271.00	7580.00	21
22	13.93	3.27	10790.00	1867.00	8261.00	6233.00	22
23	9.03	3.99	11570.00	3577.00	5566.00	8928.00	23
24	7.85	3.86	11100.00	3111.00	4723.00	9096.00	24
25	12.56	4.06	12040.00	3422.00	4892.00	9938.00	25
26	12.66	4.02	11260.00	2333.00	9608.00	7580.00	26
27	12.95	3.47	11100.00	2178.00	7082.00	8086.00	27
28	10.96	4.09	9705.00	2644.00	2871.00	9265.00	28
29	10.83	3.70	11260.00	3888.00	4555.00	12970.00	29
30	11.25	3.60	11100.00	3422.00	3208.00	13640.00	30
31	11.84	3.79	10640.00	3577.00	3881.00	12970.00	31
32	12.20	4.41	11100.00	3111.00	4892.00	11960.00	32
33	12.66	4.41	11420.00	2800.00	6913.00	9601.00	33
34	13.57	5.00	11260.00	2644.00	7081.00	8759.00	34
35	14.16	4.94	10790.00	2800.00	7924.00	9265.00	35
36	15.11	4.51	11100.00	2489.00	9103.00	9433.00	36
37	13.18	4.94	11100.00	2800.00	8598.00	8928.00	37
38	14.00	4.45	10950.00	2644.00	8766.00	8759.00	38
39	9.88	4.06	12660.00	3733.00	4723.00	11790.00	39
40	8.05	3.53	11260.00	3577.00	4555.00	10280.00	40
41	9.61	3.73	12820.00	5132.00	8429.00	16170.00	41
42	12.26	3.96	10020.00	8865.00	5060.00	38740.00	42
43	12.49	4.32	10480.00	8709.00	6576.00	37560.00	43
44	11.45	3.73	9394.00	2644.00	5903.00	11960.00	44
45	13.70	3.76	8772.00	2955.00	4387.00	12130.00	45
46	11.48	3.44	8772.00	2644.00	5229.00	11290.00	46
47	13.15	2.81	10330.00	2022.00	6239.00	7243.00	47

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FLIGHT LEADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TSGW 24300 TSCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
48	14.55	3.30	10020.00	2333.00	6240.00	8254.00	48
49	16.45	3.11	10020.00	2333.00	6240.00	8254.00	49
50	16.42	3.27	10020.00	2333.00	4723.00	8759.00	50

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TGW 24300 TBCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
1	1257.00	4149.00	1422.00	3069.00	-2110.00	2956.00	1
2	2739.00	3768.00	2381.00	3338.00	-2444.00	3372.00	2
3	4475.00	3726.00	3686.00	2571.00	-3776.00	4537.00	3
4	2316.00	4022.00	3225.00	3415.00	-3276.00	4871.00	4
5	1723.00	6478.00	2458.00	5793.00	-4109.00	6369.00	5
6	918.50	8722.00	1345.00	7674.00	-3360.00	8450.00	6
7	1935.00	6436.00	1153.00	5640.00	-4567.00	7160.00	7
8	622.50	10800.00	1230.00	9094.00	-3818.00	12320.00	8
9	1977.00	8679.00	3148.00	6484.00	-3360.00	7618.00	9
10	2697.00	4234.00	2228.00	4105.00	-4483.00	4579.00	10
11	2782.00	3641.00	2650.00	3606.00	-4442.00	3372.00	11
12	2443.00	3895.00	2151.00	3568.00	-4275.00	4121.00	12
13	2866.00	3895.00	2036.00	4220.00	-2318.00	4663.00	13
14	3628.00	3387.00	2765.00	3875.00	-3818.00	3997.00	14
15	3798.00	3810.00	2496.00	4220.00	-3484.00	4912.00	15
16	3628.00	3726.00	2419.00	4451.00	-3776.00	3871.00	16
17	3756.00	3937.00	2726.00	5065.00	-4109.00	3455.00	17
18	3713.00	4572.00	2880.00	5448.00	-4775.00	3622.00	18
19	3798.00	4487.00	2803.00	5525.00	-4442.00	3455.00	19
20	3755.00	4361.00	2496.00	5678.00	-4150.00	3580.00	20
21	4306.00	4572.00	2918.00	5794.00	-4234.00	4080.00	21
22	4094.00	3937.00	2918.00	5256.00	-4234.00	3330.00	22
23	2528.00	3810.00	1920.00	3952.00	-2652.00	3913.00	23
24	2189.00	3980.00	884.60	4220.00	-2485.00	3414.00	24
25	2824.00	4276.00	1767.00	4566.00	-3193.00	5120.00	25
26	3967.00	4827.00	2688.00	5717.00	-4275.00	4288.00	26
27	4052.00	4572.00	2534.00	5717.00	-4525.00	4288.00	27
28	2358.00	4149.00	1844.00	3875.00	-4275.00	4121.00	28
29	1977.00	5123.00	1191.00	4988.00	-5316.00	6161.00	29
30	2570.00	5038.00	2151.00	4796.00	-5233.00	6827.00	30
31	3459.00	4657.00	2650.00	5064.00	-5441.00	6119.00	31
32	3671.00	4784.00	2496.00	5832.00	-5357.00	5620.00	32
33	3798.00	4572.00	2842.00	5870.00	-5358.00	4538.00	33
34	3459.00	4572.00	2458.00	5947.00	-5066.00	3414.00	34
35	4052.00	4911.00	2764.00	6024.00	-5815.00	4579.00	35
36	3713.00	4826.00	2535.00	5870.00	-4733.00	4246.00	36
37	3417.00	4445.00	2343.00	5909.00	-4650.00	3996.00	37
38	4433.00	4784.00	2726.00	6062.00	-5232.00	4163.00	38
39	2909.00	4699.00	1422.00	4911.00	-4483.00	6078.00	39
40	2528.00	4403.00	769.00	4873.00	-4775.00	3788.00	40
41	2909.00	5800.00	2228.00	5794.00	-5607.00	8034.00	41
42	664.50	11520.00	1345.00	9746.00	-3734.00	12160.00	42
43	2697.00	11090.00	2419.00	9439.00	-3110.00	11780.00	43
44	3247.00	3345.00	2957.00	2532.00	-2860.00	3205.00	44
45	3036.00	3641.00	3110.00	3299.00	-3443.00	4204.00	45
46	2697.00	2963.00	1959.00	3376.00	-3443.00	3205.00	46
47	2951.00	4149.00	2151.00	5026.00	-3235.00	2914.00	47

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CH-46 FGB STRESS SURVEY.

AIRCRAFT SLP1 FLIGHT 143
TEGW 24300 T0CG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
48	2739.00	4700.00	2534.00	5410.00	-3484.00	3414.00	48
49	3417.00	5207.00	2956.00	5525.00	-3609.00	4288.00	49
50	3374.00	5335.00	2726.00	5679.00	-3942.00	4454.00	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TSGW 24300 TSCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
1	-2633.00	3485.00	-2841.00	8036.00	35980.00	9345.00	1
2	-4429.00	4295.00	-3382.00	11830.00	36270.00	11680.00	2
3	-5589.00	4015.00	-3022.00	12550.00	38460.00	11240.00	3
4	-5558.00	3983.00	-6001.00	10110.00	36130.00	11240.00	4
5	-4531.00	6815.00	-3021.00	17610.00	37300.00	17670.00	5
6	-1016.00	9087.00	-6633.00	20130.00	45180.00	19420.00	6
7	-5185.00	6286.00	-2841.00	14900.00	45030.00	15480.00	7
8	-5092.00	11730.00	-5098.00	18060.00	44880.00	23210.00	8
9	-5029.00	7251.00	-2390.00	18060.00	43870.00	17520.00	9
10	-5558.00	3921.00	-1848.00	13180.00	45470.00	14160.00	10
11	-4593.00	3828.00	-1758.00	11650.00	45330.00	12270.00	11
12	-4967.00	3579.00	-2660.00	11110.00	44300.00	11830.00	12
13	-3784.00	4326.00	-2299.00	11470.00	43720.00	11830.00	13
14	-4655.00	3579.00	-2570.00	11200.00	43570.00	12270.00	14
15	-4469.00	4326.00	-2660.00	12010.00	43430.00	13000.00	15
16	-5029.00	3766.00	-2570.00	11380.00	44890.00	12120.00	16
17	-4780.00	3828.00	-3202.00	12370.00	43570.00	13140.00	17
18	-4687.00	3734.00	-3473.00	14450.00	43280.00	15190.00	18
19	-4842.00	3330.00	-4466.00	15080.00	41240.00	16650.00	19
20	-4033.00	4201.00	-5188.00	14900.00	39920.00	16500.00	20
21	-5247.00	4419.00	-2118.00	14360.00	41820.00	15190.00	21
22	-5371.00	3486.00	-3653.00	13360.00	39490.00	14890.00	22
23	-3318.00	3610.00	-1757.00	11110.00	41530.00	12270.00	23
24	-2477.00	3579.00	-1848.00	11740.00	41820.00	14020.00	24
25	-3784.00	4699.00	-1758.00	13810.00	41970.00	15920.00	25
26	-4967.00	4823.00	-2931.00	14080.00	42260.00	15620.00	26
27	-5340.00	4450.00	-3112.00	15710.00	40220.00	16790.00	27
28	-4531.00	3828.00	-2660.00	11110.00	42410.00	11680.00	28
29	-4687.00	6348.00	-3292.00	12100.00	41380.00	13870.00	29
30	-4314.00	6349.00	-3382.00	11110.00	42700.00	12270.00	30
31	-4593.00	6193.00	-1757.00	10740.00	43430.00	12120.00	31
32	-3909.00	5695.00	-1216.00	12010.00	43430.00	13870.00	32
33	-3566.00	5104.00	-2841.00	13450.00	42410.00	15190.00	33
34	-4469.00	4886.00	-4105.00	15800.00	41820.00	18400.00	34
35	-4873.00	4917.00	-3924.00	15980.00	42700.00	18980.00	35
36	-5869.00	5166.00	-5820.00	16790.00	40510.00	19420.00	36
37	-5371.00	4793.00	-5639.00	16610.00	40070.00	19570.00	37
38	-5216.00	4574.00	-4285.00	15980.00	41530.00	18690.00	38
39	-4313.00	5664.00	-1848.00	12460.00	43430.00	13290.00	39
40	-3162.00	5197.00	-1577.00	11290.00	43140.00	14460.00	40
41	-5092.00	7375.00	-403.00	14270.00	43430.00	17670.00	41
42	-1389.00	12320.00	-4827.00	17790.00	38030.00	21320.00	42
43	-5279.00	11480.00	-2209.00	17330.00	39920.00	21760.00	43
44	-4189.00	3859.00	-1757.00	9480.00	41970.00	9783.00	44
45	-5341.00	3953.00	-2570.00	10830.00	41240.00	9929.00	45
46	-4625.00	3734.00	-3924.00	10380.00	39780.00	10800.00	46
47	-3784.00	3890.00	-3744.00	12190.00	39920.00	14460.00	47

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AIRCRAFT SLP1 FLIGHT 143
TSGW 24300 TSCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
48	-3940.00	4170.00	-4195.00	13000.00	39490.00	16350.00	48
49	-4531.00	4326.00	-5279.00	15530.00	39190.00	18980.00	49
50	-4967.00	4948.00	-5911.00	17420.00	38460.00	20590.00	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143

TG6W 24300 T8CG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
1	32190.00	12920.00	-288.60	944.00	-992.00	691.70	1
2	31200.00	10930.00	-471.30	1127.00	-1485.00	848.90	2
3	34010.00	10760.00	-471.30	1127.00	-1348.00	817.40	3
4	32520.00	11590.00	-471.30	1188.00	-1285.00	733.60	4
5	32350.00	18050.00	-319.10	1462.00	-1160.00	1111.00	5
6	31530.00	21200.00	-166.80	2101.00	-803.40	1488.00	6
7	32020.00	16400.00	-319.10	1279.00	-992.00	1174.00	7
8	35340.00	29970.00	-380.00	2193.00	-981.50	2002.00	8
9	34840.00	19210.00	-197.30	1462.00	-1422.00	1436.00	9
10	32690.00	15070.00	-623.60	1401.00	-1610.00	1289.00	10
11	33350.00	13080.00	-654.00	1182.00	-1526.00	1058.00	11
12	33680.00	13080.00	-562.70	1218.00	-1485.00	1163.00	12
13	33020.00	13080.00	-623.60	1401.00	-1589.00	1310.00	13
14	32350.00	12420.00	-714.90	1492.00	-1642.00	1383.00	14
15	31530.00	13910.00	-806.30	1644.00	-1663.00	1467.00	15
16	31860.00	12590.00	-836.80	1675.00	-1736.00	1499.00	16
17	30370.00	12750.00	-958.60	1979.00	-1820.00	1666.00	17
18	31860.00	15570.00	-958.60	2284.00	-1956.00	1844.00	18
19	30860.00	18550.00	-1080.00	2589.00	-2082.00	1928.00	19
20	30530.00	18220.00	-1080.00	2589.00	-2030.00	1918.00	20
21	30200.00	15900.00	-1080.00	2284.00	-2030.00	1897.00	21
22	29870.00	14570.00	-1019.00	2162.00	-1893.00	1740.00	22
23	32350.00	11760.00	-715.00	1431.00	-1338.00	1184.00	23
24	32690.00	13750.00	-806.30	1523.00	-1285.00	1237.00	24
25	31690.00	16060.00	-897.70	1553.00	-1705.00	1404.00	25
26	30700.00	15070.00	-1080.00	2284.00	-2009.00	1876.00	26
27	31530.00	16890.00	-1050.00	2314.00	-2030.00	1855.00	27
28	32850.00	12920.00	-562.70	1279.00	-1453.00	1153.00	28
29	33350.00	13080.00	-806.30	1584.00	-1485.00	1163.00	29
30	32690.00	13080.00	-714.90	1614.00	-1495.00	1341.00	30
31	32850.00	13580.00	-775.80	1675.00	-1579.00	1446.00	31
32	32690.00	13750.00	-897.70	1919.00	-1747.00	1656.00	32
33	32350.00	14740.00	-867.20	2071.00	-1841.00	1687.00	33
34	33020.00	18380.00	-1080.00	2467.00	-1841.00	1813.00	34
35	32520.00	18220.00	-958.60	2467.00	-2040.00	1928.00	35
36	31690.00	23350.00	-1233.00	2863.00	-2061.00	1991.00	36
37	32520.00	21530.00	-1019.00	2771.00	-2040.00	1949.00	37
38	31360.00	17390.00	-897.70	2345.00	-1851.00	1803.00	38
39	33020.00	13410.00	-836.80	1675.00	-1369.00	1279.00	39
40	32190.00	15240.00	-897.70	1614.00	-1285.00	1111.00	40
41	31360.00	17060.00	-745.40	1766.00	-1610.00	1394.00	41
42	33350.00	27990.00	-197.30	2132.00	-855.80	1834.00	42
43	34830.00	28480.00	-105.90	2040.00	-981.50	1939.00	43
44	32190.00	12250.00	-319.10	1035.00	-1348.00	880.30	44
45	32690.00	10430.00	-410.40	1188.00	-1348.00	859.30	45
46	35170.00	10270.00	-440.90	1096.00	-1348.00	838.40	46
47	33680.00	15730.00	-714.90	2345.00	-1568.00	1562.00	47

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AIRCRAFT SLP1 FLIGHT 143
TEGW 24300 TECG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	41780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
48	32680.00	18710.00	-806.30	2741.00	-1789.00	1803.00	48
49	34010.00	24010.00	-836.80	3137.00	-1998.00	2075.00	49
50	33840.00	24180.00	-989.50	3168.00	-2051.00	2107.00	50

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TCGW 24300 TBCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
1	-122.50	387.30	1073.00	371.50	869.30	187.10	1
2	-545.80	486.40	924.00	297.20	906.80	224.50	2
3	-347.70	450.30	886.80	304.60	966.60	299.30	3
4	-410.70	441.30	909.10	341.80	959.10	306.80	4
5	-275.60	720.60	1065.00	542.30	1012.00	404.10	5
6	-86.44	891.70	1028.00	772.60	974.10	546.30	6
7	-257.60	756.60	1021.00	557.20	1019.00	456.50	7
8	-86.44	1054.00	1095.00	988.10	959.10	725.90	8
9	-302.60	891.70	976.00	720.60	906.80	478.90	9
10	-428.70	675.50	961.10	274.90	1034.00	276.90	10
11	-365.70	648.50	983.40	193.20	1019.00	217.00	11
12	-293.60	666.50	1028.00	237.80	1027.00	254.40	12
13	-383.70	792.60	983.40	222.90	936.70	299.30	13
14	-347.70	720.60	946.30	185.70	989.10	246.90	14
15	-464.80	765.60	968.60	208.00	981.60	314.30	15
16	-473.80	720.60	953.70	178.30	974.10	246.90	16
17	-509.80	792.60	931.40	170.90	989.10	232.00	17
18	-581.80	918.70	916.60	185.80	1034.00	246.90	18
19	-509.80	1099.00	894.30	208.00	1012.00	239.50	19
20	-536.80	1036.00	916.60	215.40	981.60	239.50	20
21	-536.80	963.80	901.70	200.60	1012.00	269.40	21
22	-473.80	882.70	931.40	170.90	1027.00	239.40	22
23	-140.50	747.60	976.00	200.60	929.20	276.90	23
24	-68.44	639.50	1013.00	237.70	929.20	202.00	24
25	-383.70	882.70	901.70	245.20	951.70	329.30	25
26	-500.80	909.70	924.00	222.90	1027.00	284.40	26
27	-563.80	936.70	894.30	193.20	1034.00	291.80	27
28	-311.60	666.50	1013.00	237.70	1019.00	261.90	28
29	-302.60	837.60	1043.00	341.80	1071.00	389.10	29
30	-302.60	855.70	1035.00	364.00	1056.00	434.00	30
31	-374.70	837.60	1013.00	297.20	1071.00	389.10	31
32	-383.70	918.70	968.60	267.40	1041.00	359.20	32
33	-437.80	900.70	938.90	222.90	1049.00	306.80	33
34	-545.80	1027.00	924.00	222.90	1086.00	239.50	34
35	-545.80	1045.00	931.40	230.30	1079.00	306.80	35
36	-581.80	1135.00	879.40	252.60	1041.00	269.40	36
37	-599.90	1117.00	857.20	245.20	1034.00	261.90	37
38	-554.80	1036.00	894.30	208.00	1086.00	284.40	38
39	-230.60	801.60	1035.00	319.40	1027.00	389.10	39
40	-239.60	648.50	968.60	267.40	1049.00	246.90	40
41	-473.80	1045.00	916.60	438.30	1071.00	508.80	41
42	-5.38	1135.00	1021.00	1033.00	966.60	733.40	42
43	129.70	999.80	953.70	995.50	944.20	725.90	43
44	-257.60	504.40	953.70	297.20	899.30	217.00	44
45	-500.80	531.40	953.70	282.30	951.70	254.40	45
46	-320.60	405.30	946.30	245.20	959.20	202.00	46
47	-374.70	909.70	946.30	185.70	936.70	194.60	47

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 143
TGW 24300 TOCG 1.5 AFT FLIGHT DATE 09/02/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
48	-365.70	1045.00	931.40	230.30	944.20	232.00	48
49	-446.70	1162.00	901.70	260.00	959.20	291.80	49
50	-509.80	1189.00	909.10	267.40	981.60	299.30	50

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151
TGW 20800 TCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	3.89	7.19	11.08	-3.54	11.51	.72	2
3	3.32	6.86	10.42	-3.54	9.70	.59	3
4	3.65	7.02	10.67	-3.38	10.33	.63	4
5	3.52	6.49	10.01	-3.13	10.92	.63	5
6	3.56	6.36	9.93	-2.88	11.39	.68	6
7	3.32	6.45	9.76	-3.13	12.23	.76	7
8	3.48	6.28	9.76	-2.80	13.37	.89	8
9	4.14	7.68	11.81	-3.54	12.02	.97	9
10	3.23	7.10	10.99	-3.87	13.16	.93	10
11	4.14	7.43	11.57	-3.29	12.02	.97	11
12	3.56	7.84	11.73	-4.28	11.98	.93	12
13	3.52	7.14	10.75	-3.62	9.53	.59	13
14	3.60	7.39	10.99	-3.79	10.37	.68	14
15	3.52	7.39	10.91	-3.87	10.92	.72	15
16	3.65	7.19	10.83	-3.70	12.06	.76	16
17	3.27	6.98	10.25	-3.70	11.89	.68	17
18	3.48	7.84	11.73	-4.44	11.89	.76	18
19	3.73	7.68	11.49	-4.20	11.34	.80	19
20	4.55	7.68	12.23	-4.03	10.46	.84	20
21	3.65	6.69	10.34	-3.05	10.20	.59	21
22	3.23	3.65	6.89	-.42	9.44	.42	22
23	3.36	3.53	6.97	-.17	9.95	.42	23
24	3.48	4.06	7.55	-.58	10.71	.51	24
25	3.56	4.56	8.12	-.99	11.01	.63	25
26	3.69	4.68	8.37	-.99	11.47	.68	26
27	3.65	5.95	9.60	-2.39	12.99	.93	27
28	4.06	5.38	9.43	-1.32	11.22	.84	28
29	3.44	5.17	8.86	-1.73	11.47	.76	29

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151

T0GW 20800 T0CG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	31030SDY	31030ALT	41150SDY	41150ALT	41710SDY	41710ALT	EVENT
2	12.21	4.26	8415.00	2487.00	2815.00	10480.00	2
3	10.72	3.82	10900.00	1555.00	5564.00	4983.00	3
4	11.03	3.26	11680.00	1710.00	7454.00	5155.00	4
5	11.66	2.83	11990.00	1399.00	6423.00	4811.00	5
6	12.15	3.02	12300.00	1710.00	5908.00	4983.00	6
7	14.17	3.42	12150.00	1866.00	6080.00	5499.00	7
8	14.73	3.23	11830.00	1866.00	7798.00	5499.00	8
9	13.18	4.91	12300.00	2332.00	8657.00	7389.00	9
10	14.08	4.01	12610.00	2332.00	9345.00	7389.00	10
11	12.28	3.82	12460.00	2177.00	9516.00	8591.00	11
12	14.05	4.60	12150.00	1866.00	9001.00	7389.00	12
13	11.10	3.39	14430.00	311.00	6423.00	5155.00	13
14	11.81	3.23	14940.00		6939.00	4983.00	14
15	12.59	3.26	14940.00		7111.00	4812.00	15
16	13.86	2.67	14940.00		7111.00	4812.00	16
17	13.68	2.30	14940.00		5736.00	4811.00	17
18	12.87	3.73	14940.00		5564.00	5327.00	18
19	13.02	3.70	14940.00		7455.00	5499.00	19
20	12.37	3.92	14940.00		7798.00	7561.00	20
21	11.13	3.05	14940.00		5564.00	6701.00	21
22	11.19	3.60	14790.00	155.50	3331.00	11680.00	22
23	11.62	3.48	14790.00	155.50	4361.00	10310.00	23
24	12.62	3.79	14940.00		5908.00	8420.00	24
25	13.21	4.01	14940.00		5736.00	7217.00	25
26	13.77	4.01	14940.00		6423.00	7217.00	26
27	15.23	4.41	14940.00		6939.00	7733.00	27
28	13.74	4.79	14940.00		8142.00	8248.00	28
29	13.58	4.51	14940.00		7626.00	7732.00	29

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	1524.00	4648.00	2241.00	4094.00	-3809.00	3342.00	2
3	3187.00	2900.00	2241.00	3470.00	-3217.00	3004.00	3
4	3102.00	3411.00	2280.00	4055.00	-3386.00	3258.00	4
5	3187.00	3497.00	2514.00	4445.00	-3598.00	2877.00	5
6	3315.00	3795.00	2475.00	5030.00	-3598.00	2623.00	6
7	3400.00	3795.00	2670.00	4991.00	-3556.00	3088.00	7
8	3401.00	4221.00	2748.00	5225.00	-3767.00	3300.00	8
9	3188.00	4094.00	2241.00	5342.00	-4613.00	4061.00	9
10	3742.00	4306.00	2163.00	5810.00	-4401.00	3765.00	10
11	3144.00	4392.00	1890.00	5849.00	-5036.00	3723.00	11
12	2590.00	4349.00	2007.00	5810.00	-6094.00	4103.00	12
13	3273.00	2814.00	2553.00	3314.00	-2836.00	3300.00	13
14	3315.00	3369.00	2826.00	4055.00	-3217.00	3004.00	14
15	3272.00	3582.00	2904.00	4445.00	-3471.00	2834.00	15
16	3443.00	3496.00	3099.00	4328.00	-3725.00	3004.00	16
17	3060.00	3624.00	3021.00	4250.00	-3555.00	3004.00	17
18	3912.00	3795.00	2904.00	4679.00	-4063.00	3596.00	18
19	3614.00	3667.00	3099.00	4406.00	-3978.00	3427.00	19
20	3059.00	3795.00	2514.00	4523.00	-3640.00	4273.00	20
21	3400.00	3113.00	3060.00	3743.00	-3894.00	3511.00	21
22	2889.00	3965.00	2358.00	4835.00	-4444.00	5161.00	22
23	3187.00	3923.00	2748.00	4523.00	-4655.00	5203.00	23
24	3230.00	3795.00	2826.00	4601.00	-4275.00	4061.00	24
25	3230.00	3709.00	2826.00	4679.00	-4190.00	3130.00	25
26	2974.00	3795.00	2748.00	4679.00	-3894.00	3003.00	26
27	3401.00	4562.00	3099.00	4952.00	-3852.00	3807.00	27
28	3827.00	4306.00	2592.00	5303.00	-5036.00	4061.00	28
29	2932.00	3752.00	2787.00	4874.00	-5036.00	3976.00	29

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 151
TOW 20800 TOW 9.7 AFT FLIGHT DATE 09/13/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-4173.00	3528.00	-1275.00	12780.00	38430.00	14150.00	2
3	-3418.00	2772.00	-2201.00	9630.00	38430.00	11230.00	3
4	-3764.00	3245.00	-1276.00	10190.00	39160.00	11380.00	4
5	-3827.00	3056.00	-2294.00	10460.00	38280.00	11670.00	5
6	-3481.00	2898.00	-3128.00	11850.00	37700.00	13130.00	6
7	-4394.00	2867.00	-3868.00	13330.00	37110.00	15470.00	7
8	-4268.00	2867.00	-5165.00	13890.00	36240.00	16050.00	8
9	-4646.00	4567.00	-2942.00	14820.00	37550.00	15610.00	9
10	-5244.00	5166.00	-3868.00	14820.00	35950.00	17220.00	10
11	-4709.00	5134.00	-2664.00	13800.00	38860.00	16050.00	11
12	-5622.00	4473.00	-3498.00	14820.00	37550.00	16780.00	12
13	-3827.00	2804.00	-1831.00	10000.00	41930.00	11530.00	13
14	-3418.00	3528.00	-2016.00	10190.00	42370.00	11090.00	14
15	-3764.00	2993.00	-1923.00	11020.00	41640.00	11820.00	15
16	-3827.00	2615.00	-3128.00	12040.00	41200.00	12550.00	16
17	-3575.00	2489.00	-2850.00	11760.00	42070.00	12840.00	17
18	-3418.00	3339.00	-2294.00	13060.00	40760.00	14150.00	18
19	-3512.00	3182.00	-1738.00	12690.00	42220.00	12690.00	19
20	-2788.00	4095.00	-1368.00	11950.00	41340.00	13280.00	20
21	-3512.00	3056.00	-3405.00	9723.00	41490.00	10800.00	21
22	-3323.00	5197.00	-1183.00	8982.00	42800.00	10360.00	22
23	-3197.00	5323.00	-1553.00	9167.00	42950.00	10210.00	23
24	-2882.00	4756.00	-2387.00	11300.00	42220.00	12990.00	24
25	-3197.00	3560.00	-3313.00	12780.00	41490.00	14590.00	25
26	-3733.00	3402.00	-3405.00	12870.00	41340.00	15610.00	26
27	-4583.00	4945.00	-3498.00	15740.00	41200.00	18090.00	27
28	-5528.00	5134.00	-2201.00	15370.00	41930.00	18240.00	28
29	-5276.00	5008.00	-3313.00	13890.00	40030.00	16630.00	29

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AIRCRAFT SLP1 FLIGHT 151

TGGW 20800 TCG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	41780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	31680.00	13520.00	-338.00	1088.00	-1094.00	924.80	2
3	32330.00	11240.00	-489.10	1299.00	-1318.00	1169.00	3
4	32660.00	11240.00	-549.50	1481.00	-1445.00	1233.00	4
5	31510.00	10750.00	-549.50	1662.00	-1488.00	1339.00	5
6	31680.00	12870.00	-670.30	2085.00	-1594.00	1488.00	6
7	31680.00	16460.00	-730.80	2387.00	-1743.00	1680.00	7
8	31030.00	17760.00	-791.20	2568.00	-1796.00	1796.00	8
9	31350.00	15150.00	-549.50	2266.00	-1796.00	1903.00	9
10	31030.00	19060.00	-791.20	2447.00	-1923.00	1818.00	10
11	31840.00	16620.00	-1184.00	2417.00	-1807.00	1786.00	11
12	32490.00	18570.00	-730.80	2508.00	-1838.00	1839.00	12
13	35910.00	11240.00	-307.80	1239.00	-1264.00	1137.00	13
14	34940.00	10920.00	-458.80	1511.00	-1381.00	1276.00	14
15	34940.00	10920.00	-489.10	1783.00	-1456.00	1393.00	15
16	35260.00	11890.00	-549.50	1843.00	-1562.00	1414.00	16
17	36080.00	12060.00	-549.50	1843.00	-1498.00	1393.00	17
18	36240.00	13520.00	-489.10	1964.00	-1605.00	1563.00	18
19	34770.00	11730.00	-579.70	1873.00	-1551.00	1509.00	19
20	32980.00	13850.00	-489.10	1601.00	-1615.00	1509.00	20
21	37050.00	10430.00	-368.20	1239.00	-1318.00	1127.00	21
22	36890.00	11240.00	-579.70	1450.00	-1371.00	1244.00	22
23	37380.00	11410.00	-489.00	1360.00	-1318.00	1191.00	23
24	37050.00	12710.00	-579.70	1571.00	-1349.00	1265.00	24
25	37220.00	13520.00	-489.00	1843.00	-1466.00	1424.00	25
26	36400.00	15970.00	-579.70	2055.00	-1530.00	1488.00	26
27	36570.00	19710.00	-730.80	2447.00	-1605.00	1711.00	27
28	37380.00	19550.00	-700.60	2236.00	-1668.00	1669.00	28
29	36240.00	15800.00	-489.10	2085.00	-1488.00	1531.00	29

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AIRCRAFT SLP1 FLIGHT 151
T8GW 20800 T8CG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	41780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	31680.00	13520.00	-338.00	1088.00	-1094.00	924.80	2
3	32330.00	11240.00	-489.10	1299.00	-1318.00	1169.00	3
4	32660.00	11240.00	-549.50	1481.00	-1445.00	1233.00	4
5	31510.00	10750.00	-549.50	1662.00	-1488.00	1339.00	5
6	31680.00	12870.00	-670.30	2085.00	-1594.00	1488.00	6
7	31680.00	16460.00	-730.80	2387.00	-1743.00	1680.00	7
8	31030.00	17760.00	-791.20	2568.00	-1796.00	1796.00	8
9	31350.00	15150.00	-549.50	2266.00	-1796.00	1903.00	9
10	31030.00	19060.00	-791.20	2447.00	-1923.00	1818.00	10
11	31840.00	16620.00	-1184.00	2417.00	-1807.00	1786.00	11
12	32490.00	18570.00	-730.80	2508.00	-1838.00	1839.00	12
13	35910.00	11240.00	-307.80	1239.00	-1264.00	1137.00	13
14	34940.00	10920.00	-458.80	1511.00	-1381.00	1276.00	14
15	34940.00	10920.00	-489.10	1783.00	-1456.00	1393.00	15
16	35260.00	11890.00	-549.50	1843.00	-1562.00	1414.00	16
17	36080.00	12060.00	-549.50	1843.00	-1498.00	1393.00	17
18	36240.00	13520.00	-489.10	1964.00	-1605.00	1563.00	18
19	34770.00	11730.00	-579.70	1873.00	-1551.00	1509.00	19
20	32980.00	13850.00	-489.10	1601.00	-1615.00	1509.00	20
21	37050.00	10430.00	-368.20	1239.00	-1318.00	1127.00	21
22	36890.00	11240.00	-579.70	1450.00	-1371.00	1244.00	22
23	37380.00	11410.00	-489.00	1360.00	-1318.00	1191.00	23
24	37050.00	12710.00	-579.70	1571.00	-1349.00	1265.00	24
25	37220.00	13520.00	-489.00	1843.00	-1466.00	1424.00	25
26	36400.00	15970.00	-579.70	2055.00	-1530.00	1488.00	26
27	36570.00	19710.00	-730.80	2447.00	-1605.00	1711.00	27
28	37380.00	19550.00	-700.60	2236.00	-1668.00	1669.00	28
29	36240.00	15800.00	-489.10	2085.00	-1488.00	1531.00	29

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AIRCRAFT SLP1 FLIGHT 151
TCGW 20800 TCGR 9.7 AFT FLIGHT DATE 09/13/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-247.20	612.50	1059.00	308.90	988.20	201.60	2
3	-247.20	558.40	981.50	139.00	935.90	194.20	3
4	-247.20	612.50	973.80	162.20	943.40	201.60	4
5	-346.30	675.50	981.50	154.50	950.80	194.20	5
6	-364.30	819.60	973.80	162.20	950.80	179.20	6
7	-409.30	1009.00	911.90	193.10	958.30	201.60	7
8	-418.30	1090.00	912.00	208.50	943.40	216.60	8
9	-382.30	945.80	896.50	239.40	1026.00	253.90	9
10	-346.30	1054.00	850.20	239.40	988.20	246.40	10
11	-283.30	1027.00	834.70	285.80	980.70	239.00	11
12	-409.30	1027.00	904.30	247.10	1115.00	253.90	12
13	-283.30	594.40	989.20	131.30	913.50	201.60	13
14	-382.30	693.50	989.20	162.20	928.40	201.60	14
15	-382.30	747.60	981.50	154.50	943.40	186.70	15
16	-427.40	882.70	950.60	139.00	958.30	201.60	16
17	-364.30	873.70	973.80	162.20	943.40	201.60	17
18	-544.40	873.70	950.60	169.90	973.30	246.40	18
19	-346.30	837.70	966.00	169.90	973.30	231.50	19
20	-400.30	747.60	1005.00	223.90	950.80	268.80	20
21	-346.30	639.50	966.00	169.90	958.30	231.50	21
22	-274.30	729.60	1051.00	270.30	1011.00	328.60	22
23	-301.30	702.60	1012.00	231.70	1033.00	336.00	23
24	-391.30	774.60	996.90	200.80	1003.00	261.30	24
25	-409.30	810.70	981.50	185.30	995.70	224.00	25
26	-463.40	936.70	973.80	193.10	958.30	201.60	26
27	-562.50	1090.00	950.60	262.60	980.70	253.90	27
28	-589.50	990.80	927.40	224.00	1055.00	268.80	28
29	-391.30	918.70	904.30	247.10	1033.00	246.40	29

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AIRCRAFT SLP1 FLIGHT 151
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EVENT	41860SDY	41860ALT	EVENT
2	9083.00	7131.00	2
3	19970.00	5834.00	3
4	17120.00	5834.00	4
5	12060.00	6482.00	5
6	11940.00	7649.00	6
7	2342.00	8946.00	7
8	-1159.00	10110.00	8
9	5064.00	9334.00	9
10	6879.00	9594.00	10
11	2342.00	9205.00	11
12	4546.00	9594.00	12
13	21920.00	5704.00	13
14	16600.00	6612.00	14
15	13750.00	7390.00	15
16	5453.00	8168.00	16
17	6879.00	7779.00	17
18	7009.00	8168.00	18
19	10900.00	7908.00	19
20	15820.00	7649.00	20
21	17770.00	5964.00	21
22	23860.00	5834.00	22
23	19710.00	6093.00	23
24	15820.00	7130.00	24
25	13230.00	8168.00	25
26	10510.00	8816.00	26
27	786.00	10760.00	27
28	12450.00	9723.00	28
29	10640.00	8946.00	29

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AIRCRAFT SLP1 FLIGHT 151
T0GW 20800 T0CG 9.7 AFT FLIGHT DATE 09/13/77

EVENT	41860SDY	41860ALT	EVENT
2	9083.00	7131.00	2
3	19970.00	5834.00	3
4	17120.00	5834.00	4
5	12060.00	6482.00	5
6	11940.00	7649.00	6
7	2342.00	8946.00	7
8	-1159.00	10110.00	8
9	5064.00	9334.00	9
10	6879.00	9594.00	10
11	2342.00	9205.00	11
12	4546.00	9594.00	12
13	21920.00	5704.00	13
14	14600.00	6612.00	14
15	13750.00	7390.00	15
16	5453.00	8168.00	16
17	6879.00	7779.00	17
18	7009.00	8168.00	18
19	10900.00	7908.00	19
20	15820.00	7649.00	20
21	17770.00	5964.00	21
22	23860.00	5834.00	22
23	19710.00	6093.00	23
24	15820.00	7130.00	24
25	13230.00	8168.00	25
26	10510.00	8816.00	26
27	786.00	10760.00	27
28	12450.00	9723.00	28
29	10640.00	8946.00	29

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TGGW 20800 TBCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	3.98	6.85	10.83	-2.86	10.58	.77	2
3	4.35	6.89	11.23	-2.70	9.89	.73	3
4	4.22	7.25	11.47	-3.19	10.58	.69	4
5	4.10	7.13	11.23	-3.03	12.32	.89	5
6	4.02	6.97	11.07	-2.95	13.53	.97	6
7	5.64	8.99	14.63	-3.76	14.43	1.13	7
8	3.94	7.78	11.72	-4.00	14.51	1.22	8
9	3.98	7.09	11.23	-3.11	15.32	4.70	9

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FLIGHT LOADS

CH-4A FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TGW 20800 TBCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	31030SDY	31030ALT	41150SDY	61150ALT	41710SDY	41710ALT	EVENT
2	11.60	3.45	-5140.00	4260.00	1662.00	19890.00	2
3	11.57	3.48	-4666.00	1893.00	4105.00	7677.00	3
4	11.86	2.80	-4193.00	1735.00	6198.00	6979.00	4
5	14.27	1.89	-4193.00	2051.00	7245.00	7328.00	5
6	16.06	2.76	-4351.00	2524.00	7419.00	9596.00	6
7	17.03	2.96	-5928.00	3786.00	9164.00	10640.00	7
8	17.06	3.44	-4667.00	3471.00	8292.00	12910.00	8
9	12.80	4.84	3064.00	12780.00	6199.00	32800.00	9

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FLIGHT LOADS

CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TGW 20800 TCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	569.00	7033.00	489.50	4825.00	-4163.00	6027.00	2
3	2615.00	3623.00	2046.00	3424.00	-3741.00	3920.00	3
4	3382.00	3708.00	2630.00	4707.00	-3573.00	3835.00	4
5	3803.00	4646.00	2785.00	5408.00	-4458.00	3540.00	5
6	3251.00	5712.00	2396.00	5953.00	-4458.00	4552.00	6
7	4000.00	6500.00	2000.00	6000.00	-5000.00	6000.00	7
8	3041.00	7800.00	3291.00	7859.00	-4963.00	5901.00	8
9	2000.00	10000.00	120.00	9941.00	-4416.00	13280.00	9

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TGW 20800 TCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-4681.00	5598.00	-1838.00	11560.00	41610.00	13960.00	2
3	-4556.00	3460.00	-2023.00	11740.00	42190.00	12790.00	3
4	-4461.00	4183.00	-1561.00	11100.00	40450.00	12500.00	4
5	-5216.00	4245.00	-2948.00	14700.00	39280.00	16280.00	5
6	-5750.00	5095.00	-3503.00	16740.00	38990.00	19480.00	6
7	-5000.00	5000.00	-6000.00	20000.00	40740.00	27040.00	7
8	-5405.00	6321.00	-4705.00	21080.00	38260.00	29210.00	8
9	-1474.00	13270.00	11750.00	29030.00	47560.00	23110.00	9

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161

TGW 20800 TCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-4681.00	5598.00	-1838.00	11560.00	41610.00	13960.00	2
3	-4556.00	3460.00	-2023.00	11740.00	42190.00	12790.00	3
4	-4461.00	4183.00	-1561.00	11100.00	40450.00	12500.00	4
5	-5216.00	4245.00	-2948.00	14700.00	39280.00	16280.00	5
6	-5750.00	5095.00	-3503.00	16740.00	38990.00	19480.00	6
7	-5000.00	5000.00	-6000.00	20000.00	40740.00	27040.00	7
8	-5405.00	6321.00	-4705.00	21080.00	38260.00	29210.00	8
9	-1474.00	13270.00	11750.00	29030.00	47560.00	23110.00	9

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FLIGHT LEADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161

TAGW 20800 TBCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	33150.00	16570.00	-419.40	906.20	-1106.00	1043.00	2
3	35620.00	13330.00	-449.60	1239.00	-1372.00	1117.00	3
4	32380.00	12380.00	-932.90	1661.00	-1542.00	1394.00	4
5	33910.00	18090.00	-1084.00	2356.00	-1840.00	1755.00	5
6	32950.00	22850.00	-1205.00	2900.00	-2053.00	2075.00	6
7	34290.00	28760.00	-1050.00	3350.00	-2025.00	2375.00	7
8	33710.00	34270.00	-963.30	4169.00	-2447.00	2766.00	8
9	33910.00	23800.00	-550.00	2050.00	-950.00	1750.00	9

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 161
TAGW 20800 TBCG 22.4 FWD FLIGHT DATE 09/30/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-336.30	654.80	1062.00	578.00	1001.00	364.90	2
3	-408.10	654.80	1016.00	223.50	993.10	238.30	3
4	-435.00	753.40	930.80	185.00	963.30	253.20	4
5	-497.80	1121.00	900.00	231.20	1015.00	230.80	5
6	-560.60	1256.00	915.40	292.80	1015.00	305.30	6
7	-1920.00	2471.00	870.00	270.00	1008.00	372.30	7
8	-650.30	1274.00	830.60	408.40	1001.00	409.60	8
9	-165.90	1023.00	905.00	995.00	1105.00	692.50	9

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162

TBGW 20800 TBCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	3.95	7.53	11.73	-3.58	13.18	1.22	2
3	4.66	7.82	12.48	-4.00	14.19	1.22	3
4	3.66	7.99	11.73	-4.33	15.07	2.10	4
5	3.49	7.41	11.15	-3.91	12.71	1.26	5
6	12.79	21.24	34.03	-8.45	13.00	1.50	6

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162

TGW 20800 TCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	3.95	7.53	11.73	-3.58	13.18	1.22	2
3	4.66	7.82	12.48	-4.00	14.19	1.22	3
4	3.66	7.99	11.73	-4.33	15.07	2.10	4
5	3.49	7.41	11.15	-3.91	12.71	1.26	5
6	12.79	21.24	34.03	-8.45	13.00	1.50	6

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162
TGGW 20800 TBCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	31030SDY	31030ALT	41150SDY	61150ALT	41710SDY	41710ALT	EVENT
2	16.00	2.93	-3418.00	3021.00	8000.00	10000.00	2
3	16.65	3.08	-4214.00	3181.00	9000.00	11000.00	3
4	15.88	3.97	-7076.00	6043.00	8000.00	20310.00	4
5	16.31	3.85	-4214.00	4135.00	8000.00	16950.00	5
6	11.09	15.72	-500.00	500.00	9000.00	16000.00	6

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162

TORGW 20800 TBCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	4084.00	6150.00	2760.00	6228.00	-4500.00	4500.00	2
3	4000.00	6000.00	2000.00	6500.00	-5000.00	5500.00	3
4	4000.00	8500.00	2000.00	65000.00	-5821.00	7270.00	4
5	3000.00	9000.00	985.00	9106.00	-5000.00	7000.00	5
6	7460.00	21960.00	10150.00	20120.00	-8433.00	21330.00	6

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162
TAGW 20800 TSCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-5000.00	4000.00	-5000.00	18000.00	41760.00	21940.00	2
3	-5000.00	6000.00	-2000.00	22000.00	36710.00	29350.00	3
4	-5000.00	7000.00	-2000.00	22000.00	45020.00	32920.00	4
5	-4000.00	8000.00	6739.00	30920.00	45170.00	35730.00	5
6	-4283.00	15980.00	-3000.00	23000.00	44000.00	34000.00	6

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162
TAGW 20800 TBCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	41780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	48820.00	53180.00	-2000.00	300.00	-2161.00	2129.00	2
3	36000.00	25000.00	-2000.00	3500.00	-2290.00	2430.00	3
4	36000.00	37000.00	25000.00	4000.00	-441.30	4129.00	4
5	61300.00	58380.00	-3000.00	5000.00	-2462.00	2968.00	5
6	44000.00	43000.00	-3000.00	6000.00	-102.50	5489.00	6

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 162

TGGW 20300 TBCG 22.4 FWD FLIGHT DATE 10/07/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-1000.00	1200.00	800.00	300.00	1040.00	333.10	2
3	-1200.00	1200.00	800.00	400.00	1000.00	400.00	3
4	-1200.00	1200.00	800.00	400.00	1101.00	484.50	4
5	-1600.00	1400.00	1016.00	491.70	1200.00	500.00	5
6	-1600.00	1700.00	800.00	500.00	1100.00	450.00	6

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TGW 21500 TCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
1	4.96	7.98	12.94	-3.60	12.12	1.78	1
2	4.59	7.78	13.03	-3.35	12.16	1.91	2
3	5.78	8.89	14.67	-3.19	12.12	1.12	3
4	6.03	8.40	14.43	-3.44	12.37	1.20	4
5	5.78	8.97	14.76	-3.19	11.91	2.16	5
6	5.00	8.27	14.43	-3.27	9.96	1.29	6
7	5.13	8.89	14.01	-3.85	12.24	1.49	7
8	4.30	7.49	11.79	-3.19	14.44	1.04	8
9	4.47	8.23	12.78	-3.85	13.49	1.41	9
10	4.10	8.27	12.37	-4.18	13.24	1.49	10
11	4.14	8.40	12.53	-4.26	13.44	1.45	11
12	4.10	8.35	12.53	-4.26	13.40	1.49	12
13	4.47	5.19	9.90	-0.72	12.45	1.12	13
14	4.06	5.43	10.31	-1.38	13.53	2.45	14
15	5.08	5.47	10.72	-0.64	14.31	1.66	15
16	5.45	6.42	11.87	-0.97	12.28	1.70	16
17	4.80	8.23	13.03	-3.44	12.41	1.58	17
18	4.39	6.91	11.30	-2.61	14.07	1.00	18
19	4.59	5.80	10.39	-1.38	16.68	3.52	19
20	4.67	6.13	10.80	-1.71	14.77	1.04	20
21	4.14	6.75	10.89	-2.61	13.90	1.33	21
22	3.97	7.41	11.38	-3.44	13.24	1.49	22

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
T8GW 21500 T8CG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
1	4.96	7.98	12.94	-3.60	12.12	1.74	1
2	4.59	7.78	13.03	-3.35	12.16	1.91	2
3	5.78	8.89	14.67	-3.19	12.12	1.12	3
4	6.03	8.40	14.43	-3.44	12.37	1.20	4
5	5.78	8.97	14.76	-3.19	11.91	2.16	5
6	5.00	8.27	14.43	-3.27	9.96	1.29	6
7	5.13	8.89	14.01	-3.85	12.24	1.49	7
8	4.30	7.49	11.79	-3.19	14.44	1.04	8
9	4.47	8.23	12.78	-3.85	13.49	1.41	9
10	4.10	8.27	12.37	-4.18	13.24	1.49	10
11	4.14	8.40	12.53	-4.26	13.44	1.45	11
12	4.10	8.35	12.53	-4.26	13.40	1.49	12
13	4.47	5.19	9.90	-0.72	12.45	1.12	13
14	4.06	5.43	10.31	-1.38	13.53	2.45	14
15	5.08	5.47	10.72	-0.64	14.31	1.66	15
16	5.45	6.42	11.87	-0.97	12.28	1.70	16
17	4.80	8.23	13.03	-3.44	12.41	1.58	17
18	4.39	6.91	11.30	-2.61	14.07	1.00	18
19	4.59	5.80	10.39	-1.38	16.68	3.52	19
20	4.67	6.13	10.80	-1.71	14.77	1.04	20
21	4.14	6.75	10.89	-2.61	13.90	1.33	21
22	3.97	7.41	11.38	-3.44	13.24	1.49	22

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163

TGGW 21500 TCGG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	31030SDY	31030ALT	41150SDY	61150ALT	41710SDY	41710ALT	EVENT
1	12.63	4.15	-3520.00	2226.00	9239.00	9390.00	1
2	12.14	3.42	-3043.00	2702.00	49630.00	48360.00	2
3	13.64	4.67	-3202.00	2861.00	48920.00	49780.00	3
4	13.46	4.06	-3997.00	2703.00	48390.00	48890.00	4
5	13.49	5.55	-1300.00	1600.00	6227.00	15940.00	5
6	13.12	4.64	-2566.00	4133.00	6936.00	17360.00	6
7	15.04	3.32	-3520.00	4133.00	16150.00	22320.00	7
8	16.54	2.44	-4156.00	2544.00	13490.00	16480.00	8
9	16.23	3.72	-3997.00	4610.00	11540.00	17010.00	9
10	16.08	4.49	-4633.00	4928.00	9947.00	17890.00	10
11	16.36	4.21	-3838.00	4769.00	9239.00	17540.00	11
12	16.23	4.70	-4315.00	5564.00	7644.00	20200.00	12
13	13.73	4.39	-5269.00	2385.00	735.50	10450.00	13
14	13.73	6.10	-5587.00	2703.00	-150.50	12400.00	14
15	12.57	5.13	-2000.00	2200.00	558.00	14530.00	15
16	13.82	4.42	-4792.00	2862.00	2684.00	13110.00	16
17	9.82	6.35	-5110.00	3180.00	2684.00	17360.00	17
18	15.35	2.90	-4633.00	2385.00	8708.00	10630.00	18
19	15.10	4.42	-3679.00	3020.00	9062.00	13460.00	19
20	16.81	4.00	-4474.00	2862.00	9948.00	14700.00	20
21	16.63	4.85	-4633.00	3974.00	8530.00	17890.00	21
22	16.48	5.92	-5110.00	5405.00	7999.00	18070.00	22

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TGW 21500 TCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
1	9795.00	8775.00	2044.00	5009.00	600.50	10390.00	1
2	11310.00	10720.00	2715.00	5442.00	-12050.00	14240.00	2
3	12040.00	11630.00	1492.00	5246.00	-446.50	11680.00	3
4	11050.00	10980.00	2163.00	5206.00	-1033.00	8334.00	4
5	-1747.00	9856.00	13720.00	16530.00	935.50	12060.00	5
6	9925.00	9251.00	13720.00	16530.00	-740.00	9549.00	6
7	8844.00	11370.00	12100.00	18140.00	-12630.00	13070.00	7
8	3700.00	6138.00	2794.00	6073.00	-4509.00	5110.00	8
9	9493.00	13920.00	782.00	9663.00	-7943.00	9214.00	9
10	6553.00	12190.00	506.00	10100.00	-7524.00	8963.00	10
11	2749.00	9165.00	5752.00	13370.00	-7901.00	9507.00	11
12	2922.00	10200.00	10110.00	20130.00	-9199.00	10390.00	12
13	2446.00	3242.00	3307.00	2721.00	-4467.00	4649.00	13
14	13770.00	15690.00	3149.00	3273.00	-7232.00	11850.00	14
15	2619.00	4452.00	2794.00	3470.00	-3043.00	5822.00	15
16	3138.00	3347.00	3661.00	3313.00	-3211.00	4314.00	16
17	3310.00	6441.00	3030.00	4181.00	181.50	7874.00	17
18	3916.00	5663.00	2754.00	5956.00	-4593.00	4775.00	18
19	3657.00	5922.00	11510.00	14630.00	-5472.00	5654.00	19
20	3873.00	6570.00	2241.00	6705.00	-4802.00	5738.00	20
21	3613.00	8559.00	1452.00	7967.00	-5514.00	6952.00	21
22	3095.00	10290.00	367.50	10390.00	-7901.00	10010.00	22

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FLIGHT LOADS

CH-46 FGB. STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163

TSGW 21500 TBCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
1	1064.00	10620.00	11940.00	25410.00	42700.00	15420.00	1
2	625.50	10810.00	-20710.00	33960.00	41810.00	14530.00	2
3	-376.50	11370.00	7079.00	21300.00	42840.00	18230.00	3
4	-439.50	11870.00	12030.00	24570.00	40320.00	17790.00	4
5	-345.50	12030.00	12590.00	28120.00	40000.00	15000.00	5
6	-470.50	11840.00	-6981.00	47690.00	42700.00	18680.00	6
7	-2789.00	14470.00	-14550.00	40120.00	40000.00	30000.00	7
8	-502.00	10180.00	7172.00	28680.00	40770.00	22680.00	8
9	-6830.00	9116.00	-2171.00	24570.00	43880.00	35270.00	9
10	-7864.00	9837.00	5864.00	29240.00	44170.00	36160.00	10
11	-1599.00	13280.00	-13470.00	33630.00	44320.00	37200.00	11
12	-8616.00	11090.00	-4412.00	25320.00	41650.00	38090.00	12
13	-4830.00	3979.00	-1516.00	9342.00	37950.00	9782.00	13
14	-3697.00	5107.00	-24170.00	30500.00	38840.00	10380.00	14
15	-4136.00	6359.00	-395.00	10460.00	44030.00	10520.00	15
16	-5295.00	3885.00	-2451.00	13640.00	42990.00	15410.00	16
17	-3228.00	8521.00	1380.00	13730.00	45660.00	12750.00	17
18	-6047.00	5388.00	-3198.00	17000.00	40000.00	20000.00	18
19	-10200.00	10100.00	10910.00	29800.00	42550.00	21790.00	19
20	-6579.00	7488.00	-2450.00	19990.00	41800.00	24900.00	20
21	-4768.00	8052.00	-1143.00	22790.00	43290.00	32310.00	21
22	-7864.00	9586.00	-5160.00	27000.00	43440.00	38980.00	22

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TGGW 21500 TDCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	41780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
1	34920.00	15620.00	4646.00	6580.00	-1563.00	1637.00	1
2	32780.00	15420.00	-1187.00	1884.00	-1670.00	1572.00	2
3	60100.00	43530.00	3150.00	5324.00	-1660.00	1906.00	3
4	32000.00	18000.00	3419.00	6132.00	-1821.00	1895.00	4
5	37850.00	20110.00	3060.00	5354.00	1086.00	4329.00	5
6	54830.00	40210.00	144.00	15270.00	-2516.00	3063.00	6
7	25750.00	36500.00	3808.00	8914.00	-2520.00	2999.00	7
8	39600.00	27320.00	-827.80	2961.00	-2069.00	2143.00	8
9	44490.00	43530.00	-2144.00	4876.00	-2306.00	3220.00	9
10	37260.00	42160.00	-2413.00	5564.00	-2354.00	3225.00	10
11	38630.00	42750.00	-2294.00	5743.00	-2333.00	3247.00	11
12	12760.00	62360.00	-5898.00	9228.00	-2322.00	3257.00	12
13	35900.00	11130.00	-139.80	1256.00	-1207.00	872.20	13
14	17550.00	28300.00	-6975.00	8151.00	-1476.00	1744.00	14
15	36290.00	11910.00	-139.90	1496.00	-862.70	1109.00	15
16	37660.00	15230.00	-528.70	1226.00	-1380.00	1131.00	16
17	36090.00	12100.00	-588.50	1705.00	-1703.00	1992.00	17
18	37270.00	23420.00	-887.70	2782.00	-1950.00	2024.00	18
19	37270.00	24210.00	-6646.00	8480.00	-2806.00	2773.00	19
20	37850.00	28690.00	-887.70	3201.00	-2015.00	2175.00	20
21	38430.00	37470.00	-1336.00	4248.00	-2230.00	2628.00	21
22	36480.00	44890.00	-2742.00	5474.00	-2376.00	3203.00	22

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TGW 21500 TCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
1	-491.10	912.30	2257.00	1523.00	1173.00	477.10	1
2	-390.80	957.90	2296.00	1656.00	960.70	386.20	2
3	1096.00	2609.00	1047.00	499.90	1211.00	651.30	3
4	-564.10	1004.00	1929.00	1195.00	1006.00	431.70	4
5	-2010.00	2432.00	-515.50	1796.00	520.00	500.00	5
6	-2038.00	2404.00	800.00	400.00	1014.00	590.70	6
7	-1864.00	2578.00	600.00	500.00	1438.00	787.60	7
8	-691.80	1168.00	859.10	296.80	1014.00	348.40	8
9	-1048.00	1743.00	851.30	476.40	1241.00	605.80	9
10	-1330.00	1715.00	800.00	523.30	1233.00	613.40	10
11	-2129.00	2313.00	800.00	500.00	1211.00	621.00	11
12	215.50	4658.00	991.80	804.50	1089.00	711.90	12
13	-545.90	638.60	1054.00	273.40	991.00	340.80	13
14	-472.90	857.60	1054.00	335.80	915.30	355.90	14
15	-317.80	739.00	890.30	359.30	922.80	348.40	15
16	-965.50	1077.00	991.80	335.80	922.80	287.80	16
17	-1440.00	1843.00	976.20	492.00	756.20	469.50	17
18	-691.80	1150.00	866.90	273.40	991.00	325.70	18
19	-2001.00	2441.00	800.00	200.00	1059.00	393.80	19
20	-774.00	1232.00	859.00	328.00	1036.00	401.30	20
21	-874.30	1223.00	851.30	445.20	1059.00	454.40	21
22	-1039.00	1989.00	835.60	601.40	1203.00	628.60	22

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 163
TSGW 21500 TSCG 22.4 FWD FLIGHT DATE 10/04/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
1	-491.10	912.30	2257.00	1523.00	1173.00	477.10	1
2	-390.80	957.90	2296.00	1656.00	960.70	386.20	2
3	1096.00	2609.00	1047.00	499.90	1211.00	651.30	3
4	-564.10	1004.00	1929.00	1195.00	1006.00	431.70	4
5	-2010.00	2432.00	-515.50	1796.00	520.00	500.00	5
6	-2038.00	2404.00	800.00	400.00	1014.00	590.70	6
7	-1864.00	2578.00	600.00	500.00	1438.00	787.60	7
8	-691.80	1168.00	859.10	296.80	1014.00	348.40	8
9	-1048.00	1743.00	851.30	476.40	1241.00	605.80	9
10	-1330.00	1715.00	800.00	523.30	1233.00	613.40	10
11	-2129.00	2313.00	800.00	500.00	1211.00	621.00	11
12	215.50	4658.00	991.80	804.50	1089.00	711.90	12
13	-545.90	638.60	1054.00	273.40	991.00	340.80	13
14	-472.90	857.60	1054.00	335.80	915.30	355.90	14
15	-317.80	739.00	890.30	359.30	922.80	348.40	15
16	-965.50	1077.00	991.80	335.80	922.80	287.80	16
17	-1440.00	1843.00	976.20	492.00	756.20	469.50	17
18	-691.80	1150.00	866.90	273.40	991.00	325.70	18
19	-2001.00	2441.00	800.00	200.00	1059.00	393.80	19
20	-774.00	1232.00	859.00	328.00	1036.00	401.30	20
21	-874.30	1223.00	851.30	445.20	1059.00	454.40	21
22	-1039.00	1989.00	835.60	601.40	1203.00	628.60	22

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
TBGW 20800 TBCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020
2	3.84	7.11	10.95	-3.36	13.63	
3	2.53	5.00	9.08	-2.47	6.38	
4	2.33	6.99	10.46	-4.66	6.67	1
5	3.92	6.06	9.97	-2.14	12.23	
6	3.92	6.14	10.05	-2.22	13.05	
7	3.88	6.50	10.38	-2.63	13.87	
8	3.88	6.91	10.79	-3.20	13.63	
9	3.67	5.08	8.75	-1.41	12.48	
10	3.59	5.65	9.40	-2.06	13.67	
11	3.51	5.98	9.49	-2.47	13.54	

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AIRCRAFT SLP1 FLIGHT 166
TORGW 20800 TORG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	31030SDY	31030ALT	61150SDY	61150ALT	41710SDY	41710ALT	EVENT
2	16.17	3.03	-5653.00	2413.00	5918.00	7968.00	2
3	3.12	5.85	-6457.00	4182.00	3793.00	17180.00	3
4	2.92	7.56	-5170.00	4182.00	-279.00	19120.00	4
5	13.87	2.42	-5492.00	1930.00	6095.00	6728.00	5
6	14.90	2.79	-5492.00	2252.00	6095.00	7791.00	6
7	16.14	2.63	-5653.00	2413.00	6095.00	8145.00	7
8	15.80	3.27	-5492.00	3217.00	6272.00	10090.00	8
9	14.72	4.30	-5009.00	2734.00	5741.00	9916.00	9
10	16.11	4.30	-5492.00	2895.00	6804.00	10270.00	10
11	16.23	4.60	-5813.00	3538.00	6449.00	12040.00	11

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	3083.00	5461.00	2674.00	5373.00	-3986.00	4355.00	2
3	-3625.00	9073.00	-1503.00	8373.00	-8299.00	6574.00	3
4	30.00	8600.00	-1131.00	8550.00	-4656.00	6197.00	4
5	3169.00	4171.00	2321.00	5255.00	-3735.00	3099.00	5
6	3083.00	4945.00	2400.00	5490.00	-3777.00	3727.00	6
7	3212.00	5246.00	2674.00	5451.00	-3944.00	4230.00	7
8	2911.00	6837.00	2282.00	6393.00	-4446.00	5067.00	8
9	3126.00	5074.00	2321.00	5569.00	-4447.00	4732.00	9
10	3169.00	5719.00	2243.00	5961.00	-4153.00	4774.00	10
11	3083.00	6579.00	2007.00	6432.00	-4321.00	5109.00	11

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
TGW 20800 TCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	-4997.00	4477.00	-3337.00	15730.00	38680.00	17950.00	2
3	-1920.00	7865.00	-227.00	15910.00	50440.00	20300.00	3
4	-2169.00	3487.00	5169.00	18930.00	53240.00	26330.00	4
5	-4220.00	4135.00	-2971.00	13350.00	38530.00	15740.00	5
6	-5059.00	4477.00	-2880.00	14360.00	38230.00	17800.00	6
7	-4935.00	4539.00	-3703.00	15000.00	37790.00	18240.00	7
8	-4344.00	5627.00	-3429.00	17830.00	37940.00	22810.00	8
9	-4997.00	5969.00	-3337.00	14630.00	38230.00	18690.00	9
10	-5743.00	6528.00	-4252.00	16100.00	37350.00	20450.00	10
11	-5028.00	7057.00	-4160.00	17650.00	37200.00	22660.00	11

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
TSGW 120800 TBCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	34470.00	21270.00	-1040.00	2822.00	-1365.00	1961.00	2
3	42970.00	23590.00	-2901.00	4564.00	-2117.00	3031.00	3
4	41610.00	26480.00	-3382.00	5644.00	-2033.00	3262.00	4
5	33110.00	16820.00	-919.80	2402.00	-1582.00	1636.00	5
6	33310.00	20110.00	-1010.00	2732.00	-1708.00	1887.00	6
7	33690.00	20880.00	-949.80	2852.00	-1876.00	1908.00	7
8	33690.00	27070.00	-1220.00	3543.00	-2107.00	2307.00	8
9	32340.00	21080.00	-979.80	2762.00	-1635.00	1814.00	9
10	33500.00	24170.00	-1130.00	3153.00	-1939.00	2034.00	10
11	33110.00	28040.00	-1220.00	3603.00	-2128.00	2244.00	11

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 166
TSGW 20800 TSCG 9.7 AFT FLIGHT DATE 10/06/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-457.60	1166.00	904.20	247.00	956.80	294.80	2
3	-1792.00	2664.00	1352.00	586.60	1229.00	400.60	3
4	-1478.00	2659.00	1444.00	555.70	1176.00	377.90	4
5	-339.20	1047.00	896.50	193.00	971.90	219.20	5
6	-384.80	1129.00	873.30	231.60	956.80	249.40	6
7	-402.90	1166.00	881.00	254.70	956.80	279.70	7
8	-475.80	1184.00	896.50	331.90	994.60	332.60	8
9	-348.30	1148.00	911.90	254.70	1010.00	317.40	9
10	-466.70	1175.00	888.80	277.90	994.60	332.60	10
11	-466.70	1193.00	888.80	339.60	964.40	332.60	11

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TGW 25000 TCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
4	4.73	5.57	10.30	-0.84	11.04	1.47	4
5	4.52	7.97	12.49	-3.44	13.25	1.06	5
6	5.58	10.49	16.07	-4.91	14.32	2.13	6
7	6.23	12.36	18.67	-6.13	15.26	2.99	7
8	5.62	11.59	17.45	-5.96	16.20	2.45	8
9	4.81	8.66	13.47	-3.85	11.08	1.27	9
10	7.16	13.62	20.95	-6.45	13.37	3.40	10
11	5.22	8.09	13.87	-3.36	8.51	1.06	11
12	5.74	8.21	13.96	-2.47	10.35	2.17	12
13	4.77	8.54	13.30	-3.77	9.65	.98	13
15	1.23	3.29	4.60	-2.55	4.41	2.21	15

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TGGW 25000 TBCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	31030SDY	31030ALT	41150SDY	61150ALT	41710SDY	41710ALT	EVENT
4	13.95	4.39	-6781.00	4183.00	2022.00	19320.00	4
5	15.44	3.09	-5333.00	2413.00	6631.00	8332.00	5
6	14.32	3.30	-5816.00	2253.00	8758.00	11880.00	6
7	13.71	4.03	-23350.00	20110.00	7872.00	12410.00	7
8	17.41	3.78	-5494.00	3218.00	6276.00	14360.00	8
9	13.56	4.42	-4207.00	3218.00	9999.00	13830.00	9
10	9.11	5.66	-2000.00	3200.00	10710.00	26590.00	10
11	11.08	4.66	-3081.00	2735.00	10350.00	12760.00	11
12	11.35	6.15	-2920.00	3539.00	8758.00	12590.00	12
13	12.29	5.75	-3885.00	2574.00	6454.00	10280.00	13
15	5.26	3.27	-3403.00	1127.00	-106.00	2659.00	15

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TGGW 25000 TCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
4	3086.00	5289.00	1425.00	4983.00	-4814.00	5608.00	4
5	3431.00	5289.00	2720.00	5885.00	-4521.00	4227.00	5
6	4033.00	7267.00	3662.00	5963.00	-5567.00	8035.00	6
7	4506.00	7052.00	2446.00	6788.00	-5316.00	7867.00	7
8	3990.00	7224.00	2367.00	7259.00	-6948.00	8328.00	8
9	3775.00	5805.00	2210.00	6788.00	-6697.00	5900.00	9
10	3173.00	9246.00	2289.00	9456.00	-3392.00	12220.00	10
11	3430.00	4773.00	1896.00	5140.00	-4144.00	6110.00	11
12	3086.00	4515.00	1975.00	5846.00	-4856.00	7323.00	12
13	2570.00	4085.00	1386.00	4787.00	-5526.00	5901.00	13
15	1367.00	1333.00	1622.00	1020.00	333.20	1046.00	15

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167

T0GW 25000 T0CG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
4	-5837.00	6124.00	-2609.00	12080.00	36890.00	10880.00	4
5	-6304.00	4414.00	-3981.00	16740.00	40120.00	18230.00	5
6	-7392.00	6932.00	-3432.00	23150.00	39820.00	27330.00	6
7	-4770.00	7927.00	-4896.00	29180.00	34680.00	36890.00	7
8	-7205.00	8797.00	-5902.00	31110.00	34390.00	40120.00	8
9	-6148.00	6124.00	-1236.00	19120.00	44090.00	21310.00	9
10	-4097.00	11100.00	-1236.00	39070.00	41880.00	48790.00	10
11	-4532.00	5626.00	-321.50	14550.00	42180.00	17930.00	11
12	-3910.00	6435.00	-596.00	15920.00	42620.00	16020.00	12
13	-5806.00	5098.00	-962.00	13720.00	38950.00	15290.00	13
15	162.30	808.20	6998.00	5947.00	22630.00	4556.00	15

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
TBGW 25000 TBCG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
4	32900.00	13150.00	-174.70	1772.00	-1368.00	921.80	4
5	35020.00	19520.00	-1046.00	2523.00	-2091.00	1980.00	5
6	34060.00	26290.00	-1947.00	3244.00	-2228.00	2472.00	6
7	30000.00	40790.00	-2788.00	4326.00	-2097.00	3242.00	7
8	31540.00	45420.00	-2548.00	5887.00	-1604.00	3735.00	8
9	34250.00	19520.00	-1436.00	2553.00	-1892.00	2410.00	9
10	30190.00	48710.00	-3149.00	6368.00	-651.20	4688.00	10
11	33670.00	17400.00	-1286.00	1862.00	-1735.00	1728.00	11
12	35410.00	16430.00	-835.50	2073.00	-1746.00	1886.00	12
13	33090.00	15660.00	-1016.00	1772.00	-1568.00	1687.00	13
15	17240.00	3287.00	546.30	210.30	-142.90	157.10	15

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 167
T0GW 25000 T0CG 4.35 FWD FLIGHT DATE 10/06/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
4	80.75	937.60	926.20	485.90	994.00	347.30	4
5	-665.70	1156.00	895.30	270.00	994.00	286.90	5
6	-802.30	1365.00	856.80	370.20	1039.00	528.50	6
7	-947.90	2221.00	841.30	385.70	1024.00	528.60	7
8	-1208.00	3245.00	802.80	408.80	1085.00	558.80	8
9	-620.20	1220.00	818.30	393.40	1122.00	370.00	9
10	-1344.00	3109.00	818.30	655.60	926.10	807.90	10
11	-538.30	883.00	926.20	270.00	1054.00	362.40	11
12	1282.00	2831.00	918.50	308.50	1017.00	445.50	12
13	-629.30	901.20	918.50	277.70	1047.00	354.90	13
15	162.70	109.30	324.60	100.30	480.60	75.53	15

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177
TGW 20800 TBCG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	31010SDY	31010ALT	31010MAX	31010MIN	31020SDY	31020ALT	EVENT
2	1.30	1.77	3.06	-4.47	8.88	.17	2
3	4.05	7.27	11.33	-3.31	12.52	.86	3
4	3.92	7.23	11.15	-3.31	13.73	1.04	4
5	3.84	7.32	11.15	-3.48	14.85	1.04	5
6	3.79	7.27	11.07	-3.48	14.90	1.08	6
7	3.71	6.84	10.55	-3.22	12.82	1.08	7
8	4.18	8.01	12.19	-3.82	13.47	1.12	8
9	3.45	8.14	12.36	-4.69	11.91	1.12	9
10	4.05	7.27	11.33	-3.22	12.00	1.04	10
11	4.10	7.06	11.15	-3.14	13.90	1.04	11
12	3.97	7.36	11.33	-3.39	14.38	1.08	12
13	3.84	7.57	11.41	-3.74	13.86	1.17	13
14	4.05	7.27	11.33	-3.31	14.33	1.12	14
15	3.36	4.26	7.63	-9.90	6.12	.35	15
16	2.80	7.06	9.86	-4.25	6.20	.61	16
17	3.32	5.51	9.17	-2.19	6.25	.56	17
18	3.88	7.88	11.84	-4.00	7.54	1.08	18
19	3.92	6.80	10.72	-2.96	13.47	1.04	19
20	4.10	6.89	10.98	-2.88	14.68	1.12	20
21	3.88	7.27	11.15	-3.39	13.94	1.17	21
22	4.01	6.80	10.81	-2.88	14.81	1.17	22
23	3.58	7.57	11.15	-4.00	14.89	1.34	23
24	3.97	5.81	9.78	-1.84	13.08	.91	24
25	4.14	7.10	11.24	-3.31	14.38	1.17	25
26	3.41	6.89	10.29	-3.48	14.64	.99	26
27	3.79	6.84	10.64	-3.05	13.30	1.21	27
28	4.05	8.05	12.45	-4.08	12.86	1.04	28
29	4.01	7.06	11.24	-3.05	12.43	1.04	29
30	4.05	7.88	12.53	-3.82	11.95	.99	30
31	4.27	6.80	11.58	-2.70	11.74	.87	31
32	3.97	7.88	11.84	-3.91	11.74	1.04	32
33	4.35	7.32	11.67	-3.14	10.01	1.04	33
34	3.88	7.36	11.24	-3.57	12.47	1.25	34
35	3.88	7.36	11.24	-3.48	12.91	1.25	35
36	4.83	7.79	12.88	-2.96	15.41	2.03	36
37	4.18	6.46	10.64	-2.62	14.07	1.04	37
38	3.88	6.76	10.64	-2.88	14.98	1.08	38
39	4.05	7.70	11.76	-3.91	14.51	1.47	39
40	3.84	6.46	10.47	-2.62	14.33	1.04	40
41	3.79	6.41	10.38	-2.62	14.68	1.04	41
42	3.54	7.19	10.72	-3.65	14.38	1.17	42
43	3.62	7.10	10.81	-3.48	13.86	1.25	43
44	3.66	7.66	11.33	-4.17	12.73	1.25	44
45	3.75	9.30	13.05	-5.63	10.66	1.25	45
46	1.47	2.71	4.35	-1.24	6.46	.17	46

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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177
T0GW 20800 T0CG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	31030SDY	31030ALT	41150SDY	61150ALT	41710SDY	41710ALT	EVE
2	5.92	2.56	-2733.00	1459.00	-959.00	6253.00	2
3	12.95	2.50	-3868.00	1946.00	5651.00	5717.00	3
4	14.61	3.05	-3868.00	2594.00	4758.00	8754.00	4
5	15.48	3.05	-4030.00	2432.00	4580.00	8933.00	5
6	15.25	3.17	-4516.00	2594.00	4579.00	9290.00	6
7	12.25	4.82	-3868.00	3567.00	5116.00	13760.00	7
8	13.27	3.92	-4030.00	2432.00	6188.00	8040.00	8
9	13.21	4.97	-2895.00	2270.00	5830.00	8754.00	9
10	12.51	2.76	-2733.00	1783.00	6366.00	6432.00	10
11	14.75	3.08	-3868.00	2594.00	6188.00	9469.00	11
12	15.33	3.25	-3543.00	2918.00	5473.00	10180.00	12
13	14.84	3.28	-3706.00	2756.00	5116.00	9112.00	13
14	14.98	3.31	-3867.00	3242.00	5115.00	11970.00	14
15	4.84	2.59	-4030.00	2432.00	1542.00	8397.00	15
16	5.83	6.07	-3868.00	2918.00	1721.00	10000.00	16
17	5.77	5.32	-3381.00	3404.00	2078.00	10360.00	17
18	8.68	5.67	-3544.00	4215.00	2793.00	12860.00	18
19	13.97	2.99	-3706.00	2432.00	6009.00	7861.00	19
20	14.92	3.08	-4192.00	2594.00	6366.00	10000.00	20
21	14.66	2.99	-4030.00	2756.00	5830.00	10180.00	21
22	15.24	2.94	-4192.00	3242.00	5830.00	12330.00	22
23	15.19	4.10	-3706.00	4053.00	5473.00	14830.00	23
24	13.76	2.67	-3706.00	2432.00	6902.00	8754.00	24
25	15.07	3.40	-4030.00	3080.00	6724.00	10000.00	25
26	15.28	3.14	-4192.00	3567.00	6723.00	13580.00	26
27	14.02	4.21	-3706.00	4053.00	5115.00	16620.00	27
28	12.43	4.48	-2895.00	2270.00	6545.00	10180.00	28
29	12.28	3.75	-3057.00	2432.00	3508.00	10720.00	29
30	11.70	5.43	-2409.00	3080.00	4401.00	12680.00	30
31	12.28	4.74	-2733.00	2756.00	4580.00	12510.00	31
32	11.09	5.64	-1760.00	3404.00	3329.00	13400.00	32
33	9.46	4.94	-3057.00	3080.00	4937.00	13940.00	33
34	14.66	5.38	-3868.00	3567.00	6009.00	14650.00	34
35	13.44	4.80	-2895.00	2918.00	6009.00	10000.00	35
36	16.99	3.52	-3543.00	2918.00	4937.00	13220.00	36
37	14.34	2.79	-3544.00	2594.00	6009.00	8576.00	37
38	14.93	2.91	-3544.00	2594.00	6366.00	9290.00	38
39	14.81	4.48	-3544.00	4215.00	3686.00	17690.00	39
40	14.46	2.97	-3381.00	2756.00	6009.00	8219.00	40
41	15.07	2.64	-3544.00	2594.00	6366.00	9290.00	41
42	15.04	3.84	-4030.00	3729.00	3865.00	13220.00	42
43	14.46	4.13	-4030.00	4053.00	1900.00	16970.00	43
44	13.50	5.61	-3868.00	4215.00	2435.00	18580.00	44
45	8.71	5.93	-12300.00	11350.00	-780.00	26800.00	45
46	5.45	2.85	-1922.00	1297.00	-1674.00	4824.00	46

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CH-46 COMPOSITE ROTOR BLADE FLIGHT STRESS SURVEY DATA. VOLUME I--ETC(U)

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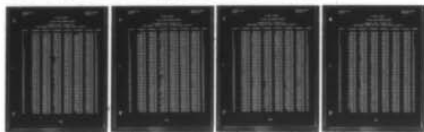
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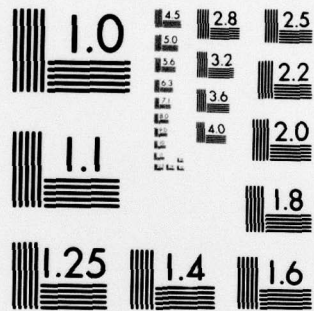
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FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177
TGW 20800 TCG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	41720SDY	41720ALT	41730SDY	41730ALT	41740SDY	41740ALT	EVENT
2	1329.00	1770.00	1922.00	1742.00	9.25	2942.00	2
3	3443.00	4317.00	2951.00	4591.00	-3900.00	3236.00	3
4	3142.00	5482.00	2951.00	5146.00	-3858.00	4371.00	4
5	3314.00	5655.00	3188.00	4988.00	-3900.00	4665.00	5
6	3055.00	5828.00	3109.00	5146.00	-3942.00	4707.00	6
7	2105.00	7296.00	1644.00	7086.00	-4110.00	5548.00	7
8	3530.00	5094.00	2793.00	5384.00	-4236.00	4329.00	8
9	3746.00	4878.00	2476.00	5146.00	-4278.00	4791.00	9
10	3487.00	4273.00	2793.00	4909.00	-3858.00	3194.00	10
11	3098.00	5871.00	2872.00	5383.00	-4110.00	4707.00	11
12	3012.00	6475.00	2911.00	5502.00	-4068.00	5085.00	12
13	3142.00	6000.00	2990.00	5344.00	-3942.00	4875.00	13
14	2451.00	7210.00	2555.00	5858.00	-4278.00	5548.00	14
15	1285.00	4058.00	417.50	3642.00	-2008.00	2186.00	15
16	1501.00	4619.00	21.66	3959.00	-2765.00	3867.00	16
17	1588.00	4964.00	100.50	4117.00	-3059.00	3993.00	17
18	853.00	5785.00	812.50	5305.00	-5707.00	5212.00	18
19	3228.00	5137.00	2555.00	5462.00	-4068.00	3993.00	19
20	3400.00	6346.00	2872.00	5779.00	-4404.00	5086.00	20
21	3228.00	6086.00	2753.00	5660.00	-4614.00	4876.00	21
22	2710.00	7210.00	2397.00	6175.00	-4782.00	5464.00	22
23	2839.00	8461.00	1328.00	7403.00	-5161.00	6263.00	23
24	3616.00	5353.00	2713.00	5859.00	-3816.00	4077.00	24
25	3055.00	6691.00	2555.00	6175.00	-4614.00	4792.00	25
26	2537.00	7900.00	2040.00	6927.00	-5329.00	6094.00	26
27	2148.00	8634.00	852.00	8115.00	-4824.00	6010.00	27
28	2839.00	4576.00	1407.00	4552.00	-4740.00	5506.00	28
29	3055.00	4360.00	1565.00	5265.00	-4194.00	5800.00	29
30	2149.00	4748.00	971.50	4988.00	-4488.00	6431.00	30
31	2580.00	5267.00	892.00	5700.00	-6506.00	7608.00	31
32	1544.00	5094.00	655.00	4671.00	-5917.00	7019.00	32
33	1631.00	5007.00	1170.00	4236.00	-5203.00	5968.00	33
34	2623.00	7209.00	1090.00	7798.00	-5286.00	6893.00	34
35	3055.00	6259.00	2199.00	7007.00	-4740.00	4581.00	35
36	3703.00	7944.00	3347.00	6729.00	-6253.00	6263.00	36
37	3400.00	5569.00	2515.00	5898.00	-3984.00	4329.00	37
38	3487.00	6000.00	2792.00	5938.00	-3984.00	4749.00	38
39	2105.00	9368.00	1486.00	8115.00	-4782.00	6557.00	39
40	3184.00	5612.00	2555.00	5700.00	-4320.00	4329.00	40
41	3314.00	5828.00	2832.00	5502.00	-4194.00	4623.00	41
42	2537.00	8159.00	1961.00	6848.00	-5161.00	5842.00	42
43	1933.00	9196.00	931.50	8036.00	-5287.00	6389.00	43
44	1933.00	9023.00	179.50	9184.00	-5665.00	6598.00	44
45	-614.50	8807.00	-849.50	8076.00	-4489.00	9793.00	45
46	637.80	2720.00	1288.00	2296.00	-32.78	1975.00	46

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CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177
TSGW 20800 TBCR 9.7 AFT FLIGHT DATE 10/20/77

EVENT	41750SDY	41750ALT	41760SDY	41760ALT	41770SDY	41770ALT	EVENT
2	83.53	2688.00	103.50	3581.00	46060.00	5051.00	2
3	-3261.00	3220.00	-630.50	12940.00	51410.00	13960.00	3
4	-4292.00	4439.00	-906.00	15970.00	51410.00	17820.00	4
5	-4292.00	4001.00	-1733.00	16620.00	50370.00	18270.00	5
6	-4386.00	4345.00	-1457.00	16710.00	50520.00	18710.00	6
7	-2386.00	6345.00	746.00	17810.00	51710.00	21690.00	7
8	-3074.00	4407.00	-1457.00	15610.00	50220.00	17530.00	8
9	-4886.00	6220.00	104.00	16430.00	50960.00	17380.00	9
10	-3417.00	3689.00	287.00	13310.00	51410.00	14260.00	10
11	-4511.00	4532.00	-355.50	16710.00	51110.00	18710.00	11
12	-4105.00	4813.00	-998.00	17720.00	50670.00	20050.00	12
13	-3667.00	4251.00	-1641.00	17260.00	50070.00	19750.00	13
14	-4355.00	4876.00	-722.50	18540.00	50070.00	22130.00	14
15	-1010.00	2594.00	-539.00	8629.00	56760.00	12480.00	15
16	-2136.00	3844.00	-814.50	10190.00	57350.00	13070.00	16
17	-2355.00	3688.00	-1549.00	10920.00	54980.00	15750.00	17
18	-4699.00	5470.00	287.00	13130.00	54680.00	17230.00	18
19	-3917.00	4251.00	-1274.00	15420.00	48880.00	17680.00	19
20	-4730.00	4689.00	287.50	19000.00	50370.00	22130.00	20
21	-4042.00	4876.00	-1090.00	17810.00	47840.00	20500.00	21
22	-4386.00	5470.00	-1457.00	19650.00	48590.00	23320.00	22
23	-3355.00	5876.00	-447.50	23040.00	48730.00	29700.00	23
24	-3417.00	4564.00	-1825.00	15790.00	45910.00	19460.00	24
25	-4386.00	4908.00	-2008.00	18180.00	46060.00	21090.00	25
26	-3480.00	6876.00	11.50	18540.00	44280.00	25850.00	26
27	-4105.00	6314.00	471.00	21390.00	47990.00	29260.00	27
28	-4105.00	5689.00	1114.00	14500.00	50070.00	15300.00	28
29	-3605.00	6064.00	1205.00	14230.00	49780.00	15000.00	29
30	-4105.00	7001.00	2490.00	14600.00	49930.00	14850.00	30
31	-5230.00	8064.00	929.50	15240.00	49780.00	16190.00	31
32	-4761.00	7220.00	3225.00	13310.00	51860.00	14710.00	32
33	-3605.00	6439.00	1848.00	13590.00	49480.00	17080.00	33
34	-5105.00	9189.00	-2283.00	20840.00	47100.00	25700.00	34
35	-4574.00	5657.00	-1090.00	17440.00	46210.00	21240.00	35
36	-4605.00	5564.00	104.00	22310.00	48730.00	29110.00	36
37	-4292.00	4751.00	-998.00	16800.00	46800.00	19760.00	37
38	-4668.00	4564.00	-1916.00	16800.00	45760.00	20490.00	38
39	-3886.00	6720.00	930.00	24600.00	47840.00	32380.00	39
40	-4511.00	4407.00	-264.00	15510.00	49480.00	18570.00	40
41	-4355.00	4501.00	-2100.00	16980.00	49480.00	18860.00	41
42	-3699.00	5907.00	-630.50	19920.00	48730.00	26440.00	42
43	-3543.00	6252.00	195.50	21850.00	50520.00	29710.00	43
44	-4668.00	7564.00	-2283.00	23410.00	46210.00	32830.00	44
45	-2418.00	10250.00	1022.00	16430.00	45760.00	20490.00	45
46	271.10	1750.00	2950.00	2020.00	36560.00	2377.00	46

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CH-44 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177
TGW 20800 TCG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	61780SDY	61780ALT	41790SDY	41790ALT	61800SDY	61800ALT	EVENT
2	42550.00	5814.00	470.80	632.50	-380.80	504.20	2
3	45650.00	13570.00	-372.60	1897.00	-1547.00	1481.00	3
4	45840.00	18800.00	-462.90	2470.00	-1715.00	1817.00	4
5	46030.00	20150.00	-553.30	2560.00	-1704.00	1891.00	5
6	46030.00	20150.00	-643.60	2650.00	-1767.00	1912.00	6
7	47000.00	25390.00	-1096.00	3283.00	-1978.00	2143.00	7
8	44480.00	17060.00	-523.20	2289.00	-1610.00	1775.00	8
9	45060.00	15700.00	-342.40	2108.00	-1557.00	1765.00	9
10	45450.00	13760.00	-402.70	1928.00	-1431.00	1555.00	10
11	45060.00	19960.00	-523.20	2590.00	-1788.00	1891.00	11
12	46220.00	22670.00	-583.40	2831.00	-1736.00	2069.00	12
13	46220.00	21510.00	-673.80	2681.00	-1788.00	1933.00	13
14	45840.00	24610.00	-794.20	3102.00	-1851.00	2185.00	14
15	49520.00	13950.00	-342.40	1446.00	-927.00	1156.00	15
16	49910.00	14730.00	-342.50	1626.00	-1211.00	1439.00	16
17	47770.00	18020.00	-493.10	1777.00	-1127.00	1355.00	17
18	48350.00	20930.00	-462.90	2048.00	-1431.00	1450.00	18
19	44480.00	18610.00	-643.70	2470.00	-1568.00	1733.00	19
20	45640.00	24810.00	-673.80	2922.00	-1799.00	2048.00	20
21	44870.00	23260.00	-613.50	2861.00	-1830.00	2059.00	21
22	45260.00	26740.00	-824.50	3373.00	-1873.00	2269.00	22
23	44670.00	34300.00	-944.80	4096.00	-2104.00	2689.00	23
24	41770.00	21320.00	-643.70	2771.00	-1652.00	1838.00	24
25	42930.00	23640.00	-764.40	3374.00	-1925.00	2280.00	25
26	42150.00	30230.00	-854.50	4187.00	-1967.00	2490.00	26
27	44090.00	33720.00	-1307.00	4277.00	-2314.00	2752.00	27
28	39830.00	13180.00	-312.30	1657.00	-1442.00	1607.00	28
29	39440.00	13570.00	-432.80	1897.00	-1379.00	1691.00	29
30	39060.00	13180.00	-41.25	1807.00	-1536.00	1744.00	30
31	39640.00	14920.00	-41.28	1928.00	-1305.00	1744.00	31
32	42930.00	13950.00	139.40	1446.00	-496.30	1145.00	32
33	41580.00	16470.00	531.00	1837.00	-727.40	1397.00	33
34	41190.00	28880.00	-493.10	3464.00	-1778.00	2385.00	34
35	39830.00	22870.00	-1216.00	2982.00	-2114.00	2196.00	35
36	40210.00	30620.00	-673.80	3403.00	-2009.00	2448.00	36
37	41960.00	22290.00	-643.60	2891.00	-1946.00	1985.00	37
38	41960.00	23060.00	-673.80	3042.00	-1893.00	2059.00	38
39	43900.00	38570.00	-1126.00	4698.00	-2272.00	2920.00	39
40	45060.00	19960.00	-583.40	2650.00	-1809.00	1870.00	40
41	44670.00	21120.00	-553.30	2801.00	-1809.00	1954.00	41
42	45250.00	30620.00	-884.70	4096.00	-2083.00	2563.00	42
43	46030.00	34500.00	-1186.00	4518.00	-2261.00	2805.00	43
44	41960.00	35460.00	-1578.00	4608.00	-2435.00	2915.00	44
45	40410.00	23840.00	-11.13	2018.00	-569.80	1534.00	45
46	30920.00	2714.00	832.20	391.50	-86.66	336.20	46

CHECKED BY:
DATE:

D210-11168-3
VOLUME 9

FLIGHT LOADS

CH-46 FGB STRESS SURVEY

AIRCRAFT SLP1 FLIGHT 177
TGW 20800 TCG 9.7 AFT FLIGHT DATE 10/20/77

EVENT	41810SDY	41810ALT	41820SDY	41820ALT	41840SDY	41840ALT	EVENT
2	-55.00	257.30	1116.00	147.00	720.10	183.80	2
3	-670.80	928.20	1008.00	162.50	957.40	222.10	3
4	-790.30	1066.00	992.70	255.30	957.40	298.60	4
5	-827.00	1048.00	1000.00	263.10	957.40	313.90	5
6	-799.40	1075.00	1000.00	278.50	957.40	313.90	6
7	-974.00	1103.00	1047.00	371.40	972.70	359.90	7
8	-744.30	1020.00	992.70	224.40	965.10	291.00	8
9	-707.50	1038.00	961.70	255.30	965.10	321.60	9
10	-560.50	946.60	984.90	170.20	949.80	214.40	10
11	-771.90	1084.00	984.90	263.10	957.40	313.90	11
12	-836.20	1020.00	984.90	309.50	957.40	344.60	12
13	-753.50	1121.00	969.40	278.60	949.80	321.60	13
14	-891.30	1020.00	1024.00	348.20	972.70	375.20	14
15	-395.00	542.20	1333.00	286.30	1019.00	130.20	15
16	-431.80	726.00	1387.00	309.50	988.10	222.10	16
17	-431.80	670.90	1287.00	332.70	1019.00	237.40	17
18	-211.30	799.60	1325.00	386.90	1179.00	306.30	18
19	-725.90	1038.00	930.80	224.40	965.10	275.70	19
20	-817.80	1094.00	961.70	286.30	980.40	336.90	20
21	-744.30	1130.00	954.00	294.00	995.70	336.90	21
22	-827.00	1066.00	984.90	355.90	995.70	367.50	22
23	-1002.00	1149.00	969.40	417.80	1026.00	428.80	23
24	-634.00	1094.00	907.50	247.60	957.40	268.00	24
25	-689.20	1241.00	961.70	317.20	957.40	329.30	25
26	-854.60	1186.00	1000.00	402.30	1003.00	405.80	26
27	-955.70	1231.00	1024.00	425.60	1026.00	413.50	27
28	-744.30	854.70	977.20	301.80	1026.00	367.50	28
29	-670.80	891.40	1055.00	270.80	1026.00	367.50	29
30	-799.40	891.40	1055.00	317.30	1011.00	413.50	30
31	-376.70	928.20	946.30	348.20	1118.00	505.40	31
32	-431.80	799.60	1000.00	340.50	1126.00	451.80	32
33	-330.70	845.50	1047.00	371.40	1072.00	382.80	33
34	-854.50	1204.00	977.20	425.60	1065.00	451.80	34
35	-542.10	1149.00	946.20	286.30	1026.00	306.30	35
36	-1020.00	1388.00	977.20	394.60	1111.00	390.50	36
37	-707.50	1167.00	930.80	255.30	980.40	291.00	37
38	-735.10	1176.00	938.50	278.60	995.70	306.30	38
39	-1084.00	1232.00	1055.00	472.00	1057.00	428.80	39
40	-716.70	1084.00	977.20	255.30	1003.00	283.30	40
41	-790.30	1103.00	977.20	270.80	980.40	306.30	41
42	-1002.00	1149.00	1016.00	417.80	1019.00	390.50	42
43	-1296.00	1277.00	1031.00	464.20	1049.00	436.40	43
44	-1149.00	1296.00	1109.00	479.70	1103.00	428.80	44
45	-45.81	891.40	1194.00	719.60	1003.00	604.90	45
46	36.88	183.80	652.20	193.40	498.00	130.20	46